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DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)

THIS MESSAGE IS
PL 4014
SCOTT AFB IL 62255
15 MAY 1985

REVISED UNITED STATES
SURFACE WEATHER OBSERVATIONS

STATION: 4014
79 26 1 027 36 227 36 227 36
TIME: 12Z
HOURS OBSERVED: 0000 - 2300

LOCATION OF STATION:
HOURS OBSERVED: 0000 - 2300
HOURS OF DAY OBS: 0000 - 2300

TIME CONVERSION GMT TO DST: +1

13 MAY 1985

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FOR THE COMMANDER

Wayne E. McCollom

WAYNE E. MCCOLLUM

Chief, Document Research Section

USAFETAC/LOX

UNCLASSIFIED

AD-A159634

SECURITY CLASSIFICATION OF THIS PAGE

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FIELD	GROUP	*climatology *weather Meteorological conditions	
04	02	(continued over)	
19. ABSTRACT (Continue on reverse if necessary and identify by block number) -A six-part statistical data summary of surface weather observation climatology for: RAMSTEIN AB WEST GERMANY. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (AD-A132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWOs) for complete descriptions of contents and instructions for use.			
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18. Subject terms cont.

winds	preceipitation	temperature	visibility
barometric pressure		relative humidity	
sky cover	psychrometric data		ceiling

Revised Uniform Summary of Surface Weather Observations
RUSSWO

RAMSTEIN AB WEST GERMANY

DL 106140

UNCLASSIFIED

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A-1



U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE ☐ DATA ☐ AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		STATION ELEV (FT)		CALL SIGN		WMO NUMBER	
106140		RAMSTEIN AB GERMANY		N 49 26		E 007 36		782 Ft		EDAR		10614	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			STATION (FT)	TYPE BAROMETER					
1	Ramstein AB Germany	AB	MAR 52	MAR 63	N 49 25	E 007 35	789 ft	808 ft	24				
2	Same	Same	APR 63	MAY 68	Same	Same	Same	826 ft	24				
3	Same	Same	JUN 68	MAR 69	Same	Same	Same	777 ft	24				
4	Same	Same	APR 69	DEC 70	N 49 26	Same	Same	Same	24				
5	Same	Same	JAN 71	FEB 78	Same	Same	780 ft	Same	24				
6	Same	Same	Feb 78	Dec 84	Same	E 007 36	782 ft	same	24				
NOTE: WEATHER MODIFICATION CONDUCTED (WINTER 68-69) (REF AMSTR-74-247)													
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
1	MAR 52	Located 400 ft N of midpoint of the rnwy.	AN/GMQ 1	N/A	20 ft								
2	JUL 61	Located 500 ft N of GCA touchdown point of rnwy 27.	AN/GMQ 1	RO-2	13 ft								
3	APR 64	Located 500 ft N of GCA touchdown point on both rnwy 09 and 27.	Same	Same	Same								
4	JUN 68	Located 500 ft from center of rnwy & 1407 ft from touchdown point of rnwy 27 & 1300 ft from touchdown point of rnwy 09.	Same	Same	13 1/2 ft								
5	APR 69	1. Located 500 ft from centerline and 1500 ft from end of rnwy 27.	AN/GMQ 1	RO-2	13 ft								

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
6	Jan 71	2. Located 500 ft from centerline and 1450 ft from end of rnwy 09.	Same		Same	
		1. Same	Same	AN-362	Same	
7	Jan 84	2. Located 500 ft from centerline and 1400 ft from end of rnwy 09.	Same		Same	
		1. Same	AN/GMC-20	Same	Same	
		2. Located 440 ft from centerline and 1400 ft from end of rnwy 09.	AN/GMC-20	Same	Same	

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATE DATA BRANCH
USAFETAC
117 WEATHER SERVICE/440

WEATHER CONDITIONS

1140 STATION NAME HAMSTEIN AB GERMANY 74-53 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	01-31		17.0	.4	7.0		25.5	32.7	5.0			40.0	528
	02-28		19.9	1.0	7.0		27.3	38.2	4.7			40.0	737
	03-31		20.5	1.2	7.0		28.4	33.5	5.0			38.7	942
	04-30		19.9	1.1	9.4		20.1	34.5	7.0			41.0	930
	05-31		19.9	1.0	9.4		29.9	24.2	12.7			32.7	737
	06-30		17.5	1.5	3.7		29.1	17.1	17.0			34.1	832
	07-31	.1	17.1	1.1	5.3		25.7	22.5	15.1			35.2	832
	08-31		15.2	.3	5.4		25.7	25.4	11.1			39.2	837
TOTALS			19.3	1.1	3.4		27.5	23.5	12.3			35.9	7432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE, MAC

WEATHER CONDITIONS

100147 STATION HAMSTEIN 66 GERMANY 74-83 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	01-01		12.0	.1	0.3		14.1	32.2	13.1			45.2	245
	07-07		13.0	.2	7.2		20.3	35.0	11.3			46.0	245
	08-08		12.9	.7	0.3		21.7	34.4	11.9			45.2	245
	09-11		10.1	.5	10.4		20.4	34.3	10.7			51.4	245
	10-14	.1	10.0	.4	12.1		27.2	19.7	20.4			40.2	245
	15-17	.1	14.2	.2	9.1		22.5	11.2	24.9			35.2	245
	18-20		10.1	.4	0.3		19.1	12.3	24.7			37.0	245
	21-23		13.0	.7	5.2		19.1	21.0	17.0	.2		39.6	245
TOTALS		.0	14.0	.4	3.1		21.0	25.2	17.5	.0		42.0	5763

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/440

WEATHER CONDITIONS

170147 STATION 04MSTEIN AB GERMANY 74-33 YEARS 0403 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-01		22.2		1.7		21.1	21.2	5.3			29.5	930
	03-04		20.3		1.3	.1	22.0	25.9	5.3			32.7	930
	06-07		20.5		2.3		22.2	31.0	3.1			29.2	930
	09-10		20.0		3.3		22.3	29.0	15.7			44.7	930
	12-13	.1	17.5		3.1	.4	20.0	12.2	20.5			32.5	930
	15-16	.1	13.5		2.7	.2	20.3	3.2	17.3			22.5	930
	18-19	.2	15.9		1.3	.1	22.2	2.3	15.5			19.2	930
	21-22	.2	17.3		1.4		18.5	12.0	13.3			21.4	930
TOTALS		.1	19.2		2.2	.1	21.0	17.3	13.2			30.5	7442

JOINT CLIMATE BRANCH
USAFETAC
AFW WEATHER SERVICE/440

WEATHER CONDITIONS

170147 STATION RAMSTEIN AB GERMANY 74-83 YEARS APP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APP	00-05		13.0		1.1		13.5	14.2	7.5			21.2	999
	06-10	.1	13.3		1.4		14.4	22.0	5.3			27.3	900
	11-15		13.7		2.2		15.2	32.3	5.5			40.5	900
	16-19	.1	15.0		2.5		15.5	20.9	15.5			37.7	900
	20-23	.1	14.5		1.9	.1	15.9	5.0	15.2			15.2	900
	24-27	.5	15.3		1.2		16.3	3.4	5.1			5.6	900
	28-31	.3	13.2		.5		13.7	3.1	4.5			7.7	900
	01-04	.1	12.9		.3		13.5	5.4	6.9			13.3	900
TOTALS		.2	14.0		1.5	.0	15.0	13.6	8.1			21.7	7199

GLOBAL CLIMATOLOGY BRANCH
 WAFOTAC
 AIR WEATHER SERVICE/4440

WEATHER CONDITIONS

175143 STATION 445121V AB GERMANY 74-83 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	01-07		12.9		.1		12.9	15.5	7.2			15.1	930
	07-13	.3	12.7				12.9	27.5	4.3			72.4	930
	13-19	.1	14.7				14.7	37.0	8.2			45.2	930
	19-25	.1	15.3				15.3	12.3	12.4			24.5	930
	25-31	.3	17.1				17.1	1.5	4.7			5.2	930
	01-07	.5	15.3				15.3	.3	3.7			4.2	930
	07-13	1.5	13.2		.1		13.2	.3	3.5			4.3	930
	13-19	.9	15.1				15.1	3.7	3.5			7.2	930
TOTALS		.5	14.9		.1		14.9	12.3	5.7			19.2	7440

NATIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

15143
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	07-24	2.2	11.3				11.3	15.6	5.6			22.1	700
	07-10	2.5	9.7				9.7	32.3	6.1			35.4	700
	05-06	.7	3.7				3.7	37.7	9.4			47.1	900
	09-11	.4	9.3				9.3	13.9	13.2			27.1	900
	12-14	.7	11.1				11.1	1.3	7.5			4.9	900
	15-17	3.5	11.3				11.3	1.1	3.5			4.7	900
	18-20	3.4	12.1				12.1	1.3	3.5			5.3	900
	21-23	3.7	12.1			.1	12.1	5.9	4.2			11.1	900
TOTALS		2.1	12.3			.3	12.3	13.7	6.7			20.3	7700

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

175147 STATION RAMSTEIN AB GERMANY 74-53 YEARS 111 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-01	1.5	7.7				1.7	14.3	4.2			15.5	930
	02-03	1.1	9.0				9.0	30.3	4.1			34.1	930
	04-05	1.2	9.9				9.9	40.4	7.7			48.2	930
	06-11	.5	11.9				11.9	13.5	12.5			25.5	930
	12-14	.9	12.3				12.3	1.4	6.5			3.1	930
	15-17	1.3	10.5				10.5	1.1	3.9			4.5	930
	18-20	2.5	9.5				9.5	1.4	2.4			3.5	930
	21-23	1.9	9.1				9.1	4.5	4.2			3.7	930
TOTALS		1.4	10.2				10.2	13.4	5.5			19.2	7443

GLOBAL CLIMATOLOGY FRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

170140 STATION RAMSTEIN AB GERMANY 74-53 YEARS 407 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
407	00-02	1.0	9.0				9.0	24.7	4.0			27.2	930
	03-05	.5	9.0				9.0	42.5	3.7			45.2	930
	06-08	.1	7.3				7.3	54.0	5.1			59.0	930
	09-11	.1	5.5				5.5	24.8	15.5			41.4	930
	12-14	.1	9.4				9.4	4.5	10.4			15.1	930
	15-17	.5	7.3				7.8	2.5	5.1			5.6	930
	18-20	1.4	9.0				9.0	2.0	5.4			7.4	930
	21-23	1.2	7.7				7.7	5.7	5.5			15.2	930
TOTALS		.5	5.4				5.4	20.5	7.3			27.8	7440

JOINT CLIMATE BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

100143 STATION RAMSTEIN AB GERMANY 74-83 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	01-10	.1	2.4				2.4	32.0	3.0			42.2	900
	11-20	.2	9.5				9.5	32.7	1.0			42.4	900
	21-30	.2	10.0				10.0	57.3	2.3			52.1	900
	31-40	.2	5.7				5.7	39.4	10.3			50.2	900
	41-50	.3	5.5				5.5	3.3	15.2			23.8	900
	51-60	.2	10.0				10.0	1.4	9.5			11.2	900
	61-70	.4	0.2				0.2	3.0	11.1			14.1	900
	71-80	.5	5.9				5.9	20.4	5.3			25.5	900
	81-90												
	91-100												
TOTALS		.4	7.4				7.4	27.6	7.3			35.4	7200

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAO

WEATHER CONDITIONS

175140 RAMSTEIN AB GERMANY 74-87 207
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
007	00-05	.1	12.4				12.4	42.2	2.2			12.1	230
	06-10	.2	16.0		.1		16.0	52.4	1.2			13.5	230
	06-10		16.3		.1		16.1	51.3	1.3			13.1	230
	09-11		22.2				22.2	45.2	5.2			14.2	230
	12-14		19.9				19.9	23.4	11.4			14.1	230
	15-17		15.3				15.3	11.9	13.1			25.1	230
	18-20		15.7				15.7	15.5	10.4			25.6	230
	21-23	.1	13.4				13.4	31.2	7.1			13.7	230
TOTALS		.1	15.7		.1		15.3	35.2	6.3			42.2	7447

JUNIOR CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/440

WEATHER CONDITIONS

100147 STATION RAMSIEIN AB GERMANY 74-23 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	01-04		19.5	.3	1.7		22.7	33.2	5.4			33.7	900
	05-08	.1	21.2		2.3		22.5	33.2	4.1		.1	42.2	900
	09-12		21.2	.1	3.2		22.7	33.5	5.3			41.5	900
	13-16		20.5	.1	3.2		23.7	40.1	5.0			45.2	900
	17-20		19.1	.1	4.3		22.4	27.9	9.9			37.2	900
	21-24		15.2		2.5		15.1	17.7	10.7			23.2	900
	25-28		17.1	.1	1.7		18.5	23.5	5.5			22.3	900
	29-30		19.7	.1	2.3		21.5	31.2	5.9			35.2	900
TOTALS		.2	19.3	.1	2.5		21.3	31.5	5.7		.2	33.2	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAO

WEATHER CONDITIONS

175142 CAMSTEIN AB GERMANY 74-33 3.5
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-22		22.5	.7	3.5	.1	25.5	22.4	7.5			37.2	930
	03-25		23.5	1.0	4.3		27.5	22.8	5.5			35.8	930
	06-78		24.5	1.0	5.3		28.5	23.1	7.0			35.4	930
	09-11		25.2	.8	5.9		29.9	22.2	8.5			40.2	930
	12-14	.1	22.5	.5	3.5		22.0	27.3	11.3			33.5	930
	15-17		24.9	.3	5.9		21.0	20.3	10.5			30.0	930
	18-20		21.7	.5	5.5		25.5	25.7	10.0			35.7	930
	21-23	.1	20.9	.5	3.7		24.2	30.1	5.5			34.6	930
TOTALS		.2	23.0	.7	5.3	.0	28.2	23.0	8.9			35.2	7440

JUNIOR CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/440

WEATHER CONDITIONS

100147 STATION NAME 74-32 YEARS 3 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	4.1	.0	17.3	1.1	5.4		27.2	23.5	1.3			33.2	7438
FEB		.0	14.0	.4	5.1		21.5	25.2	17.2	.1		42.2	5758
MAR		.1	17.2		2.2	.1	21.0	17.3	13.2			32.5	7440
APR		.2	14.0		1.5	.0	13.0	13.5	3.1			21.7	7199
MAY		.5	14.3		.0		14.7	12.3	5.7			18.2	7440
JUN		2.1	10.5			.0	10.5	13.7	6.7			22.2	7200
JUL		1.4	10.2				10.2	13.4	5.3			18.2	7440
AUG		.5	8.4				8.4	20.5	7.3			27.5	7440
SEP		.4	9.4				9.4	27.5	7.3			35.4	7200
OCT		.1	15.7		.0		15.8	35.2	5.3			42.0	7440
NOV		.0	18.3	.1	2.3		21.3	31.5	6.7		.0	38.0	7200
DEC		.0	20.0	.7	5.3	.0	25.2	28.0	8.9			35.5	7440
TOTALS		.5	14.2	.2	2.4	.0	17.1	22.2	6.7	.0	.0	31.0	57545

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

LOCAL CLIMATOLOGY REPORT
 WEATHER SERVICE/MAC

WEATHER CONDITIONS
 ATMOSPHERIC PHENOMENA

1. 140 STATION NAME 44STEIN AB GERMANY 52-53 YEARS 4-1 MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	241.7	.7	52.3	.3	35.4	.5	70.8	55.3	57.4	.1		33.3	951
FEB		.7	45.7	.5	33.1	1.0	64.5	55.7	75.1	.5		23.5	971
MAR		2.1	52.3	.4	16.4	1.3	61.0	59.3	70.3			53.7	945
APR		4.7	57.4		10.1	2.5	61.5	51.1	55.5		.1	79.1	959
MAY		11.7	53.5		.5	1.5	68.7	54.8	62.4		.2	60.3	992
JUN		15.3	53.2			.9	68.2	54.7	55.5			60.1	957
JUL		15.3	53.1			.7	63.1	63.5	54.7		.2	79.8	943
AUG		14.0	54.7			.3	64.7	71.3	57.5		.1	63.3	957
SEP		7.3	50.5			.1	50.5	73.5	72.5			57.1	953
OCT		1.3	53.1		.7	.3	63.1	62.1	72.3			61.0	992
NOV		.7	57.9	1.3	15.2	.5	64.3	73.4	55.3	.1		57.3	951
DEC		.3	55.3	.7	31.3	.5	70.2	71.4	55.3	.1		37.4	972
TOTALS		5.7	54.5	1.3	12.3	.5	60.1	65.3	58.7	.1	.2	64.3	11544

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- * 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- * 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	"00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

105147 STATION NAME RAMSTEIN AB GERMANY 52-33 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	29.0	21.4	5.6	14.3	9.6	11.7	5.3	2.0	.2					49.5	961	2.07	4.73	.25
FEB	35.2	17.5	6.1	12.2	8.8	11.5	6.5	1.8	.2					47.2	875	1.91	4.30	.04
MAR	33.7	19.2	4.3	11.5	7.9	10.9	5.7	1.4	.4					42.1	991	1.87	5.56	.27
APR	33.4	19.7	4.3	13.0	7.8	9.6	5.2	1.7	.3					41.9	960	1.77	5.34	.33
MAY	41.2	17.7	3.9	10.5	7.1	10.1	6.2	2.6	.6					41.0	992	2.28	6.77	.33
JUN	41.7	17.5	4.2	8.9	7.1	9.9	6.3	3.0	1.5					40.6	960	2.64	5.87	.37
JUL	47.9	14.0	2.8	9.7	4.1	11.3	6.1	3.5	.5					38.1	948	2.34	6.03	.68
AUG	45.0	15.0	3.5	9.2	5.9	10.2	7.4	2.9	.8					39.9	954	2.50	7.83	.07
SEP	43.9	13.5	4.0	9.6	5.1	10.0	5.3	2.1	.4					37.5	960	1.92	5.26	TRACE
OCT	45.7	13.0	5.1	11.5	6.5	9.7	4.6	2.6	.3					40.3	992	1.94	5.95	.27
NOV	35.5	18.5	5.9	12.4	7.5	10.7	7.4	1.9	.2					46.1	959	2.07	5.28	.41
DEC	29.6	21.9	6.1	11.9	7.5	12.6	7.0	2.5	.8					48.5	992	2.57	6.24	.23
ANNUAL	39.8	17.4	4.7	11.2	7.2	10.7	6.1	2.3	.5					42.7	11554	25.90		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

100143 RAMSTEIN AB GERMANY
STATION

52-43

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
52			* 1.75	.74	.11	.72	.45	.78	.77	.78	1.43	1.35	
53	.31	.70	.11	.19	.77	1.60	.54	.23	.62	.14	.25	.19	1.60
54	.42	1.44	.25	.54	.60	1.41	.90	.92	.46	.45	.63	1.42	1.44
55	.71	.53	.31	.17	.64	.76	.56	.56	.40	.76	.13	.43	.78
56	.45	.21	.20	.50	.84	.95	.83	.92	.33	.63	.40	.27	.92
57	.13	.58	.48	.16	.24	1.56	.67	1.35	1.25	.81	.30	.74	1.56
58	1.18	.56	.52	.39	.71	.60	.75	1.21	.27	.73	.30	.46	1.21
59	.31	.33	.49	.29	.23	.97	.81	.89	TRACE	.45	.33	.49	.97
60	.44	.32	.17	.37	.54	.50	.54	1.21	.57	.37	.42	.52	1.21
61	.53	.27	.19	.67	.43	1.13	1.61	.45	.21	.59	.64	.56	1.61
62	1.36	.65	.77	1.70	.46	.22*	1.30	.21	1.20	.18	.42	.36	1.70
63	.33	.25	.52	.48	.20	1.08	.30	.31	.39	.57	.74	.14	1.08
64	.08	.30	.45	.24	.46	.53	.25	.44	.54	.37	.84	.25	.84
65	.87	.20	.59	.27	.53	.76*	.63	.45	.56	.29	.71	.93	.93
66	.46	.32	.39	.47	1.13	.75	.70	.58	.36	.64	.35	1.26	1.26
67	.22	.76	.45	.70	.77	.63	.90	.72	2.13	.49*	.42	1.26	2.13
68	.53	.40	.35	.72	.49	.69	.70	1.67	1.11	.48	.76	.53	1.67
69	.92	.58	1.07	.51	.55	.45*	.38*	.37	.29	.10	.53	.24	1.07
70	.64	.83	.51	.65	1.63	.71	1.15	.22	.24	.27	.39	.36	1.63
71	.30	.19	.23	.30	.79	.48	.33	.42	.39	.50	.47	.21	.79
72	.39	.47	.26	.37	.55	1.14	.87	.67	.35	.19	1.19	.37	1.19
73	.28	.34	.27	.64	.41	.29	.71	.41	.38	.56	.38	.43	.71
74	.19	.51	.35	.20	.49	.40	.71	.31	.36	.68	.50	.52	.71
75	.38	.49	.57	.36	.43	1.33	.88	.92	.63	.20	.31	.30	1.33
76	.25	.42	.23	.24	.14	.33	.70	.31	.71	1.08	.64	.69	1.08
77	.63	1.14	.37	.40	.31	1.01	1.25	.45	.60	.60	.83	.58	1.25
78	.56	.50	.75	.25	1.46	1.54	.41	.64	.42	.23	.23	1.71	1.71
79	.34	.64	.53	.34	.65	.53	.68	1.21	.77	.47	.58	1.26	1.26
80	.85	.72	.44	.53	.64	1.40	1.40	1.53	.24	.67	.60	.23	1.53
81	.74	.20	.57	1.22	.34	1.26	.67	.58	.80	1.56	.56	.89	1.56
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2

PRECIPITATION

FROM DAILY OBSERVATIONS

52-53

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2

GLOBAL CLIMATOLOGY BRANCH
JSAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

108143 STATION RAMSTEIN AB GERMANY STATION NAME

52-83

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
52			* 5.55	2.50	.33	1.33	1.59	2.39	3.54	3.65	5.23	4.86	
53	.60	2.06	.20	1.09	1.22	5.38	2.42	.90	1.64	.49	.46	.73	17.09
54	1.91	2.27	1.03	1.06	1.92	2.65	2.72	4.93	3.22	1.95	1.68	2.9	28.96
55	2.92	2.39	1.35	.33	3.00	3.00	2.33	1.51	1.92	1.66	.65	3.32	25.33
56	2.10	.48	.54	2.97	1.92	1.58	1.86	2.92	2.03	2.75	1.09	1.00	22.44
57	.71	2.89	2.17	.38	.33	4.28	2.36	3.35	5.23	1.17	.70	1.03	25.60
58	4.03	4.20	1.95	1.07	4.63	2.79	2.00	4.98	1.44	1.95	1.26	3.65	33.81
59	1.69	.04	1.63	1.63	.93	2.55	1.84	2.32	TRACE	1.11	1.35	2.60	18.05
60	1.99	2.14	.75	1.02	4.17	1.97	2.51	4.45	1.13	2.64	2.43	2.70	27.95
61	2.97	1.27	.59	1.84	2.21	3.51	3.44	1.55	.71	2.19	1.71	2.58	24.67
62	3.49	1.92	2.89	3.08	1.62	.37*	1.52	.72	3.06	.45	1.34	2.09	*22.55
63	1.16	.81	2.71	1.63	.93	2.65	.70	4.36	1.34	1.27	3.99	.23	21.78
64	.25	1.10	2.26	.91	1.49	1.47	.68	2.24	1.17	1.81	1.56	1.13	16.07
65	4.00	.62	1.91	1.53	1.84	2.91*	2.82	1.61	2.83	.24	4.76	5.09	*30.02
66	1.42	1.52	1.59	2.49	1.97	3.34	3.69	3.43	.67	2.98	1.94	4.19	29.13
67	.93	2.09	2.06	1.82	3.54	2.06	2.03	2.59	5.26	2.83*	2.34	2.64	*32.09
68	2.76	2.39	1.55	2.38	2.19	1.80	2.94	7.83	3.94	1.41	1.49	1.98	32.75
69	3.35	2.71	2.70	2.97	3.09	2.08*	.88*	.27	.35	.20	2.92	.90	*22.22
70	1.96	4.48	1.72	2.79	3.46	2.33	3.44	.95	1.07	1.20	1.25	1.60	26.25
71	1.57	.85	.82	.78	2.99	2.51	.69	1.61	1.05	.83	2.01	.50	16.19
72	1.20	.98	1.04	2.02	2.95	2.78	2.17	3.46	1.22	.43	4.27	.71	23.18
73	.84	1.95	.23	1.78	1.91	1.25	2.97	1.20	1.02	2.51	1.21	1.46	18.23
74	1.22	1.82	1.56	.58	1.72	1.83	2.15	1.76	1.76	4.60	2.87	3.07	25.04
75	1.73	.75	2.46	1.24	1.37	4.73	1.82	2.50	2.76	.90	1.54	.43	22.25
76	2.37	1.44	.91	.74	.44	.41	1.51	.85	2.79	2.58	2.35	2.58	18.98
77	3.62	4.80	1.22	1.33	1.17	3.10	1.88	1.97	.74	2.09	3.98	3.17	29.05
78	1.91	1.88	3.15	.95	5.77	3.50	2.32	1.56	1.40	.53	.41	6.24	30.63
79	1.66	2.60	3.91	2.41	2.26	2.50	1.76	3.87	1.46	1.92	2.93	5.43	32.61
80	2.24	2.57	2.00	1.92	1.53	5.87	6.03	3.59	1.13	2.86	1.98	1.74	33.46
81	2.45	.71	3.14	2.38	1.20	3.42	2.43	1.64	2.01	4.70	1.40	4.26	29.74
MEAN													
S D													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2

MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

52-93

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

1-0-142 STATION NAME RAMSTEIN AB GERMANY 52-43 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	53.3	20.1	7.6	5.7	1.6	1.0	.1	.4	.2					15.6	951	5.2	15.7	TRACE
FEB	56.2	17.5	7.7	5.6	1.9	.9	.2	.1						15.3	875	4.0	13.2	TRACE
MAR	31.4	11.7	3.0	2.2	.6	.4	.1	.4	.1					5.9	991	2.0	13.6	.
APR	99.7	3.1	1.5	.9			.1	.1						2.6	950	.6	6.0	.
MAY	99.2	.3													992	TRACE	TRACE	.0
JUN	100.0														950	.0	.0	.0
JUL	100.0														957	.0	.0	.0
AUG	100.0														965	.0	.0	.0
SEP	100.0														950	.0	.0	.0
OCT	99.4	.6													992	TRACE	TRACE	.0
NOV	33.6	10.3	2.5	2.4	.8		.2	.1						6.0	950	1.6	8.8	.0
DEC	57.5	20.4	5.7	3.6	1.7	.5	.3	.1	.1					12.1	992	3.5	21.8	.0
ANNUAL	37.5	7.5	2.3	1.7	.5	.2	.1	.1	.0					5.0	11565	17.4		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS

100143 HAMSTEIN AB GERMANY

52-43

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
52			* 2.0	5.0	.0	.0	.0	.0	.0	.0	1.5	1.0	2.8
53	1.1	2.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.6
54	1.0	1.2	.3	.5	.0	.0	.0	.0	.0	.0	TRACE	.1	3.0
55	2.1	1.9	2.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.0	2.2
56	1.8	2.2	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.1	.5
57	.5	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	5.3
58	4.9	5.1	5.3	.6	.0	.0	.0	.0	.0	.0	TRACE	3.0	3.1
59	3.1	TRACE	.0	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
60	2.8	.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.0	6.3
61	5.3	.8	TRACE	.0	.0	.0	.0	.0	.0	.0	1.0	.5	5.7
62	.1	2.4	5.7	TRACE	.0	.0*	.0	.0	.0	TRACE	5.4	.6	3.4
63	2.7	3.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.4	4.4
64	1.2	.9	4.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.9	5.1
65	1.8	1.2	5.1	.0	.0	.0	.0	.0	.0	.0	4.0	.5	1.4
66	.4	TRACE	1.0	TRACE	.0	.0	.0	.0	.0	TRACE	1.4	1.2	3.2
67	.7	.5	TRACE	.2	.0	.0	.0	.0	.0	.0	1.1	3.0	5.8
68	5.8	4.0	.3	.8	.0	.0	.0	.0	.0	.0	.9	2.2	2.4
69	1.3	2.0	.3	1.3	.0	.0*	.0*	.0	.0	.0	.8	2.4	7.2
70	7.2	2.0	4.7	.5	.0	.0	.0	.0	.0	.0	TRACE	5.7	2.6
71	.5	.2	2.5	.0	.0	.0	.0	.0	.0	.0	2.0	TRACE	1.6
72	1.3	.5	.3	.0	.0	.0	.0	.0	.0	TRACE	1.6	.0	3.8
73	.3	3.8	.7	.4	.0	.0	.0	.0	.0	TRACE	2.0	.7	.6
74	TRACE	.6	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.1	7.6
75	TRACE	TRACE	7.6	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	3.5
76	3.5	2.5	TRACE	.2	.0	.0	.0	.0	.0	.0	2.1	1.6	5.9
77	5.9	TRACE	1.2	TRACE	.0	.0	.0	.0	.0	.0	.5	1.0	2.8
78	1.1	2.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.8	2.8
79	2.8	.8	.0	TRACE	TRACE	.0	.0	.0	.0	.0	1.0	1.0	4.2
80	1.7	TRACE	.2	.4	.0	.0	.0	.0	.0	.0	4.2	2.9	5.0
81	1.5	1.8	TRACE	3.5	TRACE	.0	.0	.0	.0	.0	TRACE	5.0	
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-5 (OLA)

2

SNOBALL

FROM DAILY OBSERVATIONS

52-93

YEARS

[illegible]

USAF ETAC FORM 0-88-5 (OLA)

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
XXXXXXXXXXXXXXXXXXXXX
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

105142 RANSTEIN AB GERMANY
STATION NAME

52-53

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
52			* 3.0	5.0	.0	.0	.0	.0	.0	.0	3.3	3.3	
53	1.3	8.6	.7	.0	.0	.0	.0	.0	.0	.0	.0	.4	11.0
54	7.0	2.5	.3	.8	.0	.0	.0	.0	.0	.0	TRACE	.1	10.8
55	5.3	8.4	5.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.2	23.2
56	2.8	3.7	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.0	9.7
57	1.0	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	1.0
58	7.3	11.6	13.8	1.7	.0	.0	.0	.0	.0	.0	TRACE	3.5	39.1
59	9.7	TRACE	.0	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	9.8
60	3.2	.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	5.4	9.3
61	9.7	1.3	TRACE	.0	.0	.0	.0	.0	.0	.0	1.0	.9	11.9
62	.1	4.5	9.5	TRACE	.0	.0*	.0	.0	.0	TRACE	5.5	1.5	* 24.1
63	5.9	8.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.9	19.5
64	1.4	2.0	6.7	TRACE	.0	.0	.0	.0	.0	.0	TRACE	7.9	19.0
65	5.5	4.3	8.4	.0	.0	.0	.0	.0	.0	.0	5.3	1.6	28.6
66	.9	TRACE	1.7	TRACE	.0	.0	.0	.0	.0	TRACE	3.1	3.1	9.8
67	1.9	1.0	TRACE	.3	.0	.0	.0	.0	.0	.0	1.3	4.2	9.7
68	15.7	7.5	.4	1.6	.0	.0	.0	.0	.0	.0	2.3	4.9	32.4
69	2.8	13.2	.2	1.3	.0	.0*	.0*	.0	.0	.0	2.4	7.6	* 28.7
70	10.7	7.7	10.2	1.1	.0	.0	.0	.0	.0	.0	TRACE	9.0	39.7
71	.8	.4	5.2	.0	.0	.0	.0	.0	.0	.0	5.5	TRACE	12.9
72	3.5	.7	.3	.0	.0	.0	.0	.0	.0	TRACE	2.4	.0	6.9
73	.3	5.8	1.4	.5	.0	.0	.0	.0	.0	TRACE	3.2	1.6	15.9
74	TRACE	.6	.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.1	.9
75	TRACE	TRACE	8.6	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	8.6
76	7.5	4.3	TRACE	.2	.0	.0	.0	.0	.0	.0	2.3	5.7	21.2
77	14.2	TRACE	1.2	TRACE	.0	.0	.0	.0	.0	.0	.5	1.0	16.9
78	2.8	9.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.9	16.9
79	13.9	1.6	.0	TRACE	TRACE	.0	.0	.0	.0	.0	1.2	1.4	19.1
80	2.3	TRACE	.2	.5	.0	.0	.0	.0	.0	.0	5.6	9.5	19.1
81	7.4	3.5	TRACE	4.5	TRACE	.0	.0	.0	.0	.0	TRACE	21.5	37.1
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH
JCSAFETAC
AFR WEATHER SERVICE/MAC

EXTREME VALUES
 XXXXXXXXXXXXXXXXXXXXXXXX
 MONTHLY SNOWFALL

FROM DATA OBSERVATIONS

176142 RAMSTEIN AB GERMANY

52-43

7485

TOTAL MONTHLY SNOWFALL IN INCHES

[illegible]

USAF ETAC FORM 0-88-9 (OLA)

NOTE * (BASED ON LESS THAN FULL MONTHS)

JOURNAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
UNGA DEPTH
(FROM DAILY OBSERVATIONS)

104143 STATION NAME AMSTEIN AB GERMANY 52-43 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 100	101 250	251 500	501 1000	1001 2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 04	05 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN	52.5	13.3	6.9	4.7	4.5	7.5	.4							24.2	93			
FEB	77.3	11.1	7.7	5.1	3.9	2.5	.1							18.5	874			
MAR	90.5	4.5	2.1	1.5	.5	.5	.1							5.5	959			
APR	99.7	.4	.1	.1		.1								.3	960			
MAY	100.0														992			
JUN	100.0														950			
JUL	100.0														972			
AUG	100.0														965			
SEP	100.0														960			
OCT	100.0														992			
NOV	94.1	4.2	.5	.7	.1	.3								1.5	960			
DEC	77.2	13.5	5.9	1.6	.4	1.7	.7							10.3	991			
ANNUAL	91.3	3.7	1.9	1.1	.3	1.1	.1							5.3	11515			

2

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AFR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

175142 RAMSTEIN AB GERMANY

52-43

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
52			*	1	5	0	0	0	0	0	2	1	
53	1	2	TRACE	0	0	0	0	0	0	0	0	TRACE	2
54	5	2	TRACE	0	0	0	0	0	0	0	0	TRACE	1
55	1	5	3	0	0	0	0	0	0	0	TRACE	1	5
56	1	4	TRACE	0	0	0	0	0	0	0	0	1	4
57	3	0	0	0	0	0	0	0	0	0	0	TRACE	1
58	4	8	5	TRACE	0	0	0	0	0	0	0	0	8
59	4	0	0	0	0	0	0	0	0	0	TRACE	TRACE	4
60	3	1	0	0	0	0	0	0	0	0	0	0	3
61	6	TRACE	0	0	0	0	0	0	0	0	TRACE	1	6
62	0	3	5	0	0	0	0	0	0	0	4	TRACE	5
63	4	5	2	0	0	0	0	0	0	0	0	0	5
64	0	0	0	0	0	0	0	0	0	0	0	4	4
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0*	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0*	2	0
68	6*	6	0	0	0	0	0	0	0	0	2	5	6
69	3	4	TRACE	TRACE	0	0*	0*	0	0	0	TRACE	2	4
70	6	2	5	0	0	0	0	0	0	0	0	5	8
71	4	TRACE	1	0	0	0	0	0	0	0	2	TRACE	4
72	1	TRACE	0	0	0	0	0	0	0	0	1	0	1
73	TRACE	3	1	1	1	0	1	1	1	1	2	1	3
74	0	0	TRACE	0	0	0	0	0	0	0	0	TRACE	TRACE
75	0	0	7	2	1	0	2	2	2	2	2	0	7
76	6	3	TRACE	0	0	0	0	0	0	0	TRACE	1	6
77	2	1	1	2	1	1	1	1	1	1	TRACE	0	2
78	1	6	0	0	0	0	0	0	0	0	0	2	6
79	6	1	0	0	1	2	2	2	2	2	TRACE	0	6
80	2	0	0	0	0	0	0	0	0	0	4	6	6
81	4	2	1	2	0	2	1	0	0	0	TRACE	9	9
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2

SNO. DEPT-4

100100 RA4STEIN AB GERMANY

52-53

YEARS

[illegible]

USAF ETAC FORM 0-88-5 (OLA)

NOTE * (BASED ON LESS THAN FULL MONTHS)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WIND

FROM DAILY OBSERVATIONS

106147 RAMSTEIN AB GERMANY
STATION

61-53

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
51						SSW	39W	35SW	32WSW	34SSW	35SW	33SW	51
52	SSW 42WSW	43SSW	32SW	38SW	26W	26SW	28W	44W	36E	24SW	20W	36	SW 46
53	ENE 20E	20W	36SW	34W	*24W	*34WSW	*24SSW	33W	26SW	24W	38NE	39	W 39
54	SSW 20SW	28ENE	24W	35SW	30WSW	40WSW	33WSW	42W	33SW	39SW	50SW	38	SW 50
55	SW 46N	36SW	34W	31WSW	35SW	46W	*44	SSW	29WSW	27WSW	49W	53	
56	SW 36W	36WSW	45WSW	40W	40WSW	33WSW	36SW	27WSW	28SW	34SSW	41WSW	40	WSW 45
57	WWW*15SW	54WSW	39W	37SW	47SW	20W	19WSW	41WSW	25WSW	39SW	32W	38	SW 54
58	SW 42SW	27SW	40SW	29WSW	36W	2623/	3527/	3224/	2526/	25.8/	2625/	26	SW 42
59	22/ 2627/	3224/	2727/	4325/	2824/	2323/	3725/	2127/	2725/	3025/	4924/	25	25/ 49
70	23/ 2622/	5325/	4024/	37.8/	23.9/	2933/	3824/	2722/	3527/	3425/	3323/	34	22/ 53
71	23/ 5324/	3121/	2626/	3230/	3026/	3525/	3223/	4915/	2422/	3024/	3724/	31	29/ 53
72	5/ 3322/	3127/	5026/	5423/	4727/	30.9/	3023/	3023/	35.9/	2424/	5324/	36	25/ 54
73	24/ 2623/	45.4/	2820/	4924/	3926/	3227/	3826/	3027/	4225/	3830/	3826/	36	27/ 49
74	27/ 4525/	4327/	39.3/	2425/	3028/	3228/	3025/	2930/	4022/	3428/	4325/	41	27/ 45
75	27/ 3310/	2425/	3323/	30.5/	35.9/	3115/	3221/	3021/	3627/	3024/	4012/	36	24/ 40
76	25/ 4622/	325/	29.7/	2724/	3125/	2926/	29.8/	3823/	2928/	2126/	5023/	38	26/ 50
77	24/ 4123/	3725/	3423/	4623/	3527/	3125/	2725/	2025/	1923/	2223/	5129/	38	29/ 51
78	24/ 4222/	3227/	42.9/	3125/	2524/	3124/	3228/	2525/	3326/	2224/	2226/	50	26/ 50
79	25/ 3323/	3423/	4425/	3526/	4.24/	2531/	4026/	2823/	2810/	2223/	4225/	54	25/ 54
80	21/ 4223/	4522/	3423/	46.5/	2824/	2822/	3026/	3121/	2925/	3921/	3518/	39	23/ 45
81	24/ 3525/	2625/	32.5/	2524/	2030/	3224/	4323/	2822/	2625/	4026/	2625/	42	24/ 43
82	23/ 3724/	2024/	4627/	2811/	3027/	3127/	2323/	2020/	2327/	3228/	2922/	35	24/ 46
83	35/ 4324/	5230/	3824/	3623/	2625/	2627/	2625/	2727/	3824/	3225/	4528/	32	24/ 52
MEAN	37.3	35.9	36.1	36.3	32.7	30.7	31.8	30.9	31.1	30.2	33.4	37.7	42.1
S D	3.711	3.791	5.252	7.596	7.053	5.793	5.800	6.943	5.450	6.693	9.685	8.588	4.047
TOTAL OBS	655	613	581	556	676	684	676	648	678	723	688	712	8072

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-9 (OLA)

S (BASED ON LESS THAN FULL MONTHS AND 1170 HOURS)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175147 STATION RAMSTEIN AB GERMANY

74-83 YEARS

JAN MONTH

ALL WEATHER CLASS

0000-0200 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.2									.9	4.4
NNE	.3											.3	2.0
NE	1.4	1.7	.9									3.1	4.3
ENE	1.6	1.8	1.1	.1								4.6	4.9
E	.8	1.7	.5									2.4	5.0
ESE	.7	.1										.3	3.3
SE													
SSE	.1											.1	2.0
S	.3	.1										.4	3.0
SSW	.3	.3	.5	.1								1.3	6.3
SW	.9	2.0	1.9	2.2	.2							7.2	6.7
WSW	1.8	5.1	7.0	7.1	1.3	.3						23.7	9.5
W	1.8	4.4	4.3	4.6	.5							15.7	8.5
WNW	1.0	.5	.1	.1								1.7	3.9
NW	.2											.2	1.5
NNW													
VARBL			2.7	1.1	.2	.2						3.5	11.4
CALM												34.4	
	11.1	17.8	19.6	15.3	2.0	.8						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 928

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/940

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140 STATION RAMSTEIN AB GERMANY STATION NAME 74-83 YEARS JAN MONTH
ALL WEATHER CLASS 0300-0500 HOURS (LST)
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5										1.2	3.4
NNE	.4											.4	1.8
NE	1.3	.8	.3	.1								2.5	3.9
ENE	1.8	2.4	1.1	.1								5.4	4.8
E	1.5	1.1	.3									2.9	3.8
ESE		.2										.2	5.0
SE	.1	.1										.2	3.5
SSE		.1			.1							.2	12.0
S	.1	.1	.4									.5	7.0
SSW	.1	.4	.4									1.0	5.1
SW	1.0	2.2	2.3	1.6	.2							7.2	8.2
WSW	1.9	5.4	8.2	4.9	1.7	.5	.2					23.0	9.6
W	2.9	4.0	5.2	3.4	.4							15.9	8.0
WNW	.1	.4	.3	.2								1.1	7.0
NW	.3	.1										.4	3.0
NNW													
VARBL			2.3	1.6	.1	.1	.1					4.2	11.3
CALM												33.5	
	12.3	17.7	20.9	12.0	2.6	.8	.3					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175140
 STATION

RAMSTEIN AB GERMANY
 STATION NAME

74-83
 YEARS

JAN
 MONTH

ALL WEATHER

CLASS

0600-1800
 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	2.0
NNE	.1	.2										.3	3.7
NE	1.0	.4	.4									1.8	3.9
ENE	2.4	2.5	1.3	.1								6.2	4.8
E	1.3	1.2	.1	.2								3.3	4.0
ESE	.1											.2	2.0
SE													
SSE		.1	.2									.3	7.3
S	.1											.1	1.0
SSW	.1	.5	.5	.1								1.3	6.6
SW	1.3	2.0	3.0	2.0	.2							9.4	8.5
WSW	1.5	4.5	8.0	5.4	1.3	.3						21.0	9.4
W	2.5	3.5	5.5	1.8	.1	.2						13.7	7.6
WNW	1.1	.1	.5									1.7	4.4
NW	.2		.2									.4	5.0
NNW	.2	.1	.2									.5	5.2
VARBL		.1	3.0	2.4	.2	.1						5.8	10.8
CALM												33.8	
	12.6	15.4	23.8	12.0	1.8	.5						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

105140 STATION RAMSTEIN AB GERMANY 78-83 YEARS JAN MONTH
ALL WEATHER CLASS 0000-1100 HOURS (LST)
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.1	.1									.5	3.8
NNE	.7	.1										.4	2.3
NE	.0	.8	.4									2.0	4.4
ENE	1.5	2.9	1.3	.1								5.9	5.4
E	1.7	1.1	.7	.4								3.5	4.7
ESE	.9	.1										1.0	2.1
SE	.7											.2	2.0
SSE		.1	.2									.3	8.0
S	.1	.3	.2	.1								.8	7.1
SSW	.6	.5	.9	.4								2.4	6.6
SW	1.0	2.0	1.8	2.2	.3							7.3	9.5
WSW	1.3	3.7	10.7	7.5	.8	.2						23.4	9.6
W	2.0	3.8	5.1	2.7	.1	.1						14.8	7.9
WNW	1.0	.8										1.7	3.4
NW													
NNW	.1											.1	2.0
VARBL		.1	2.3	2.0	.1							4.5	10.4
CALM												31.0	
	12.0	15.3	23.5	15.5	1.3	.3						100.2	5.4

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/440

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105160
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-93
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1000-1400
HOURS (LST)

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.8										1.0	3.7
NNE	.4	.5										1.4	3.3
NE	1.5	1.4	.2	.1								3.3	4.0
ENE	2.6	2.4	1.7	.5								7.2	5.5
E	1.5	.5	.5	.5								3.5	6.1
ESE	.4	.3										.8	3.3
SE	.1	.1										.2	3.0
SSE	.4	.1	.1									.6	3.2
S	.1	.5	.3	.3								1.3	8.1
SSW	1.0	.4	.5	.3								2.4	5.7
SW	.5	2.0	3.2	2.4	.1	.2						8.6	9.3
WSW	1.0	3.8	9.4	8.1	1.3	.1						24.0	10.0
W	2.7	2.7	5.9	5.4	.8	.1						17.5	9.0
WNW	.3	.5	.4	.1								1.8	5.3
NW	.7				.1							.4	7.0
NNW		.2										.2	5.0
VARBL		.2	4.5	1.5	.4							6.8	10.0
CALM												18.5	
	14.5	15.7	27.5	19.4	2.7	.4						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

15340 RAMSTEIN AB GERMANY 74-83 JAN
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (LST)

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	1.4	1.3	.2									2.9	3.6
NNE	1.1	.9	.3									2.2	3.6
NE	3.0	1.3	.2									4.5	3.1
ENE	1.4	2.5	2.5	.4								7.0	6.1
E	1.0	1.2	.5	1.1								3.8	7.0
ESE		.1										.1	5.0
SE	.1	.1										.2	4.5
SSE	.2		.1									.3	5.0
S	.4	.4	.4	.1								1.7	5.5
SSW	1.2	1.4	.9	.3	.1							3.6	5.7
SW	.3	2.5	3.5	3.0	.3	.1						9.8	9.5
WSW	1.1	3.3	9.4	8.4	1.2	.2						23.6	10.0
W	2.0	4.1	4.7	4.5	.9	.3						16.6	9.1
WNW	1.2	1.4	.5	.1								3.2	4.8
NW	.3	.5	.1									1.0	4.2
NNW	.4	.4	.1									1.0	3.6
VARBL			3.9	1.1	.3							5.2	10.2
CALM												13.2	
	15.5	21.4	27.3	19.1	2.8	.5						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 929

2

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

175143 RAMSTEIN AB GERMANY
STATION STATION NAME

74-83

YEARS

JAN

MONTH

ALL WEATHER

CLASS

1800-2000

HOURS (LST)

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.5										1.4	3.2
NNE	.4	.5	.1									1.5	3.5
NE	1.7	1.3										2.3	3.7
ENE	2.3	2.3	1.7	.5								7.4	5.6
E	1.7	1.9	.8	.2								4.5	4.7
ESE	.7	.2										.4	3.3
SE													
SSE		.1		.1								.2	10.5
S	.3	.5		.1								1.3	5.1
SSW	1.3	.9	.5	.4								2.5	6.1
SW	1.3	2.3	2.8	3.3	.5							9.6	8.9
WSW	2.3	4.1	7.3	5.8	.6	.2						21.3	9.0
W	2.4	4.3	4.4	3.4	1.3	.1						15.3	8.4
WNW	.5	.2	.7	.2								1.3	5.3
NW	.7	.1										.3	2.7
NNW	.2	.1										.3	3.3
VARBL		.1	3.3	1.7	.2	.1						5.2	10.5
CALM												25.5	
	14.9	23.3	23.9	16.6	2.4	.4						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

115140 RAMSTEIN AB GERMANY
STATION

74-53
YEARS

JAN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2										1.2	2.8
NNE	.4	.3	.1									.9	3.6
NE	.4	.9	.2									1.5	4.9
ENE	1.7	2.3	1.4	.2								6.6	5.3
E	1.7	1.3	.4									3.0	4.1
ESE													
SE	.5											.2	1.5
SSE	.2	.1	.1									.4	4.0
S	.6	.1	.1	.1								1.0	3.9
SSW	.2	1.0	.5	.3	.1	.1						2.4	8.0
SW	.5	2.3	2.5	1.3	.3	.2						7.2	8.8
WSW	1.5	3.5	5.5	8.6	1.4	.4						21.1	10.4
W	2.3	4.1	5.5	4.1	.5							16.6	8.3
WNW	.2		.1	.1								.5	5.8
NW	.3	.2	.1									.6	3.8
NNW													
VARBL		.2	2.5	.9	.3							4.0	10.4
CALM												33.1	
	11.2	17.7	19.2	15.6	2.7	.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140 STATION RAMSTEIN AB GERMANY 74-83 YEARS JAN NORTH
ALL WEATHER CLASS ALL HOURS (L & T)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	AVERAGE WIND SPEED
N	.6	.5	.1									1.2	3.5
NNE	.5	.3	.1									.9	3.3
NE	1.3	1.0	.3	.0								2.6	3.9
ENE	1.9	2.5	1.5	.3								5.3	5.3
E	1.4	1.2	.5	.3								3.4	5.0
ESE	.2	.1										.4	3.0
SE	.1	.0										.1	2.9
SSE	.1	.1	.1	.0	.0							.3	6.0
S	.3	.3	.2	.1								.9	5.8
SSW	.6	.7	.6	.3	.0	.0						2.2	6.4
SW	.8	2.2	2.7	2.2	.3	.1						3.3	8.8
WSW	1.5	4.3	3.1	7.1	1.2	.3	.0					22.6	9.7
W	2.3	3.8	5.2	3.8	.5	.1						15.8	8.4
WNW	.8	.5	.3	.1								1.6	4.8
NW	.2	.1	.1		.0							.4	4.1
NNW	.1	.1	.0									.3	4.0
VARBL		.1	2.9	1.5	.2	.1	.0					4.9	10.6
CALM												27.9	
	12.9	17.8	22.9	15.7	2.3	.6	.0					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 7437

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140
STATIONRAMSTEIN AB GERMANY
STATION NAME74-83
YEARSFEB
MONTHALL WEATHER
CLASS0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5											.5	2.5
NNE	.1	.2										.4	3.3
NE	2.0	3.1	.1									5.2	3.6
ENE	4.1	5.8	2.6	.5								13.0	5.0
E	1.7	2.5	1.1	.4								5.6	5.0
ESE	.5											.5	1.3
SE	.1											.1	2.0
SSE	.1											.1	3.0
S	.2		.1									.4	4.7
SSW	.2	.8	.2	.1		.2						1.7	8.6
SW	.4	1.1	1.4	1.2	.2							4.3	9.1
WSW	1.1	1.7	4.7	2.0	.7							10.2	9.3
W	.9	2.6	1.7	.5								5.7	6.3
WNW	.4	.2										.6	3.6
NW	.2											.2	2.0
NNW	.4											.4	2.0
VARBL			.7	.6	.5							1.8	12.5
CALM												49.6	
	12.9	18.0	12.6	5.2	1.4	.2						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 846

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0000-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	1.8
NNE	.5	.2										.5	2.7
NE	2.1	3.2	.4									5.7	4.1
ENE	2.8	5.6	2.5	.2								11.2	5.1
E	2.6	1.9	.8	.2								5.6	4.3
ESE	.4											.4	2.0
SE	.5											.5	1.8
SSE		.1										.1	6.0
S	.2											.2	2.0
SSW	.4	.6	.2	.1								1.3	6.0
SW	.1	.5	2.0	1.5	.2	.1						4.5	10.3
WSW	.7	1.8	5.2	3.0	.4							11.0	9.0
W	1.4	2.0	2.7	.4								6.5	6.3
WNW	.2											.2	1.5
NW													
NNW	.2	.1										.4	3.0
VARBL		.1	1.3	1.1	.2	.1						2.8	11.6
CALM												48.1	
	13.0	16.1	15.2	6.5	.8	.2						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

846

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106140 STATION RAMSTEIN A3 GERMANY 74-83 YEARS FEB MONTH
0600-0800 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.2										.9	2.5
NNE	.5	.5										1.1	3.3
NE	3.4	2.2	.7									6.4	3.7
ENE	2.4	5.6	3.3	.6								11.8	5.7
E	2.0	1.1	.8	.4								4.3	4.8
ESE	1.2	.4										1.5	2.4
SE	.4	.1										.5	2.5
SSE	.1	.1										.2	3.5
S	.1	.1										.2	3.5
SSW	.1	.7	.5	.1								1.4	6.8
SW	.2	1.8	.7	1.1	.2							4.0	8.6
WSW	.9	2.6	4.5	3.9	.6							12.5	9.4
W	1.1	2.6	1.1	.6	.1							5.4	6.2
WNW	.5	.2										.7	3.0
NW	.2											.2	3.0
NNW													
VARBL		.2	1.5	.7	.6							3.1	11.2
CALM												45.6	
	13.9	18.4	13.1	7.3	1.5							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 846

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4										.7	3.5
NNE	1.9	.5										2.4	2.6
NE	2.2	3.5	.4									6.1	4.1
ENE	2.7	6.7	4.5									13.9	5.6
E	2.7	2.0	1.2	1.1								7.0	5.2
ESE	.5	.2	.1									.9	3.1
SE		.1										.1	4.0
SSE	.5	.1										.5	3.0
S		.2	.4									.6	6.8
SSW	.6	.7	.7	.4								2.4	6.6
SW	.5	1.9	1.5	1.1	.4	.4						5.7	9.3
WSW	.9	1.9	3.8	3.7	.7							11.0	9.5
W	.9	2.4	2.4	.9								6.5	7.1
WNW	.7	.6										1.3	3.2
NW		.2										.2	4.5
NNW													
VARBL			3.0	.9	.1							4.0	9.3
CALM												36.4	
	14.7	21.5	17.9	8.0	1.2	.4						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

846

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.7										1.5	3.4
NNE	2.2	3.2	.1									5.6	3.9
NE	3.1	5.3	1.2									9.6	4.5
ENE	2.7	4.6	5.8	.9								14.1	6.5
E	1.9	1.5	2.5	1.4								7.3	7.0
ESE	.7	.6	.1									1.4	3.6
SE	.1											.1	3.0
SSE	.5	.2										.7	3.2
S	.5	.5	.2									1.2	4.9
SSW	.4	.7	1.3	.2								2.6	7.2
SW	.6	1.2	2.8	1.2	.7	.2	.1					6.9	10.0
WSW	1.3	2.1	4.9	2.8	.8		.1					12.1	9.4
W	1.9	2.4	3.9	2.0								10.0	7.5
WNW	.9	1.1	.1	.1								2.2	4.1
NW	.5	.1										.6	2.4
NNW	.1	.4										.5	3.5
VARBL	.1		5.3	1.7	.1							8.2	9.5
CALM												15.5	
	19.3	24.6	29.1	10.4	1.7	.2	.2					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

846

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/440

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56 - 63	%	MEAN WIND SPEED
N	1.7	1.2	.2									3.1	3.5
NNE	2.0	4.3	.7									6.7	4.4
NE	3.7	5.9	2.4									12.9	4.8
ENE	1.8	4.7	4.1	.7	.1							11.5	6.4
E	.7	1.4	1.9	1.5								5.6	8.1
ESE	.4	.4										.7	3.7
SE	.2	.1										.4	3.3
SSE	.4	.1	.4									.8	4.4
S	.9	1.2	.1									2.2	4.3
SSW	.9	1.9	.7	.1								3.7	5.0
SW	1.1	2.1	2.7	1.8	.5							8.2	8.8
WSW	1.7	3.7	4.5	3.4	.7							13.9	8.5
W	1.7	3.3	3.3	1.9	.4							9.8	7.6
WNW	.4	.9	.6	.6								2.5	7.7
NW	.5	.1										.7	2.7
NNW	.6											.6	2.2
VARBL	.2		5.6	1.8								8.6	9.3
CALM												8.2	
	19.8	31.7	27.9	11.9	1.7							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

846

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106140 STATION RAMSTEIN AB GERMANY 74-83 YEARS FEB MONTH
ALL WEATHER CLASS 1800-2000 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.5	.2									1.8	3.5
NNE	2.8	1.1										3.9	3.0
NE	4.3	5.6	.7									10.3	4.0
ENE	4.3	7.0	3.9	.1								15.3	5.0
E	2.2	2.5	1.4	1.2								7.3	5.9
ESE	.1	.5										.6	4.6
SE	.4	.4	.1									.8	4.6
SSE	.2	.2										.5	3.0
S	1.3	.7	.4									2.4	3.6
SSW	1.7	1.3	.4									3.3	3.9
SW	1.3	1.3	1.5	1.1	.6							5.8	8.4
WSW	1.2	2.4	2.7	2.1	.7							9.1	8.5
W	1.4	2.5	2.2	.5	.1							6.7	6.5
WNW	.5	.1	.2									.8	4.3
NW	.1											.1	3.0
NNW	.1											.1	1.0
VARBL			2.4	1.1	.2	.1						3.8	11.0
CALM												26.8	
	23.2	26.0	16.2	6.0	1.7	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 246

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/44C

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105147
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.1										.5	2.3
NNE	1.4	.5										2.0	3.1
NE	3.6	2.0	.5									6.0	3.4
ENE	4.4	5.3	3.1	.6								13.4	5.0
E	2.1	1.3	.5	.5								4.5	4.9
ESE	.5											.6	1.4
SE	.5											.5	1.8
SSE	.1	.1										.2	3.5
S		.5	.1									.6	5.8
SSW	.6	1.1	1.1	.2								3.0	6.3
SW	.6	1.4	1.5	.5	.4							4.4	6.1
WSW	.7	1.5	1.7	2.6	.4							6.9	9.6
W	1.3	1.4	1.7	.2	.2							4.9	5.5
WNW	.5	.2	.1	.1								.9	5.3
NW													
NNW	.4	.1										.5	3.3
VARBL			1.7	1.1	.4							3.1	11.6
CALM												48.0	
	17.0	15.7	12.0	5.9	1.3							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

845

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175147 STATION NAME RAMSTEIN AB GERMANY 74-83 YEARS FEB NORTH
ALL WEATHER CLASS ALL HOURS (L B T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.4	.1									1.2	3.2
NNE	1.5	1.3	.1									2.9	3.6
NE	7.7	4.7	.9									7.8	4.1
ENE	3.2	5.7	3.7	.5	.7							13.1	5.5
E	2.7	1.3	1.3	.8								5.9	5.8
ESE	.5	.3	.7									.8	2.9
SE	.3	.1	.7									.4	3.0
SSE	.2	.1	.7									.4	3.6
S	.4	.4	.2									1.7	4.4
SSW	.5	1.7	.5	.2		.7						2.4	6.0
SW	.5	1.4	1.9	1.2	.4	.1	.7					5.5	9.1
WSW	1.1	2.2	4.7	2.9	.6		.7					10.8	9.1
W	1.7	2.3	2.3	.9	.1							7.7	6.9
WNW	.5	.4	.1	.1								1.2	4.9
NW	.2	.1										.3	2.8
NNW	.2	.1										.3	2.7
VARBL	.7	.7	2.9	1.1	.3	.7						4.4	10.2
CALM												34.8	
	15.5	21.5	18.7	7.7	1.4	.1	.7					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 6767

2

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140 RAMSTEIN AB GERMANY
STATION STATION NAME

74-93
YEARS

4A2
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L E T)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5										.9	3.6
NNE	.9	.2										1.0	2.4
NE	1.7	1.2	.2	.1								3.2	3.9
ENE	.9	2.7	.9	.1								4.4	5.0
E	1.8	.6	.1									2.6	2.8
ESE	.8	.1										.9	2.3
SE		.2										.2	6.0
SSE	.2											.2	3.0
S	.3	.3	.2									.9	4.8
SSW	.5	.8	.5	.1								1.9	5.3
SW	1.0	2.0	1.9	2.2	.6							7.6	9.2
WSW	1.6	3.6	5.0	3.1	.6	.1						15.1	8.5
W	2.5	4.2	1.4	1.4	.2	.1						9.8	6.4
WNW	1.4	.2		.1								1.7	3.3
NW	.2	.2										.4	3.3
NNW	.1	.1										.2	2.5
VARBL		.1	1.3	.9								2.3	10.1
CALM												45.7	
	14.1	17.1	12.4	9.0	1.5	.2						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140 STATION RAMSTEIN AB GERMANY 74-83 YEARS MAR MONTH
CLASS ALL WEATHER
CONDITION

0000-2500
HOURS (LST)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	.3									1.0	5.3
NNE	.4	.3										.6	3.0
NE	1.6	1.4	.4									3.4	4.1
ENE	1.1	2.3	.9	.1								4.3	5.0
E	1.2	.6	.1									1.9	3.3
ESE	.1	.2										.3	3.3
SE	.2											.2	2.0
SSE	.2											.2	2.5
S	.2	.4	.1									.8	4.9
SSW	.4	.6	.5	.1								1.7	6.0
SW	1.3	2.4	2.7	1.7	.3	.1						8.5	8.3
WSW	1.9	3.9	6.9	3.0	.9							16.5	8.4
W	2.0	2.9	2.5	1.3	.5	.1						9.4	7.3
WNW	.3	1.0	.2									1.5	4.3
NW	.5	.1										.6	3.0
NNW	.2		.1									.3	4.0
VARBL			1.2	.3		.1						1.6	10.1
CALM												47.2	
	12.7	15.6	15.9	6.6	1.7	.3						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

440
MONTH

ALL WEATHER
CLASS

0000-2400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4										.9	3.5
NNE	.3	.4	.2									1.0	4.4
NE	1.3	1.3	.5									3.1	4.2
ENE	1.3	2.4	1.1									4.7	5.0
E	2.7	1.3	.1									3.4	3.3
ESE	.9	.1										.9	2.1
SE		.2										.2	4.0
SSE													
S	.2	.1	.1									.4	4.5
SSW	.6	1.1	.1									1.3	4.0
SW	.9	2.0	3.3	1.5	.1							8.3	5.1
WSW	1.7	4.7	4.9	4.4	.2							15.9	8.3
W	2.4	1.9	2.9	1.9	.4							9.6	7.4
WNW	.6	.4	.1		.1							1.3	5.0
NW	.4											.4	2.5
NNW	.1	.2	.1									.4	5.3
VARBL		.1	1.3	1.1	.2	.1						2.8	11.8
CALM												44.6	
	13.1	16.9	15.2	8.9	1.1	.1						120.0	3.8

TOTAL NUMBER OF OBSERVATIONS

930

2

JOINT CLIMATE LOGIC BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

106140

STATION

RAMSTEIN AB GERMANY

STATION NAME

74-83

YEARS

MAR

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.3	.3									1.2	5.2
NNE	.9	.8										1.6	3.5
NE	1.4	1.9	.2									3.5	4.1
ENE	2.2	3.4	2.7	.4								5.1	5.4
E	1.3	1.3	.9	.1								3.6	5.2
ESE	.8	.1										.9	1.9
SE	.2											.2	2.5
SSE	.2											.2	1.0
S	.4	.5	.5									1.5	4.9
SSW	.5	.8	.5	.1	.1							2.2	6.6
SW	1.1	2.9	2.9	3.2	.4	.1						10.5	8.7
WSW	1.8	4.5	7.4	4.6	.5							18.9	8.7
W	2.7	2.6	4.3	2.2	.9							12.3	7.7
WNW	1.1		.2									1.3	3.3
NW	.2											.2	2.0
NNW	.2	.2										.4	3.5
VARBL	.1	.1	3.3	1.1	.3	.1						5.1	10.0
CALM												25.2	
	15.3	20.0	22.4	11.7	2.3	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-93
YEAR

MAR
MONTH

ALL WEATHER
CLASS

1000-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3	.2									3.4	3.5
NNE	1.9	1.8	.3									4.0	4.0
NE	1.7	2.6	.5	.2								5.2	4.6
ENE	2.0	3.3	1.5	.5								7.5	5.6
E	1.2	1.5	1.5	.8								4.9	6.7
ESE		.2			.1							.3	9.0
SE	.3	.1										.4	2.3
SSE	.1	.2	.1									.4	4.8
S	.3	.9	.3									1.5	5.1
SSW	.6	1.8	.5	.3	.1							3.5	6.3
SW	1.7	2.3	4.6	3.7	.9	.5						13.0	10.3
WSW	1.2	2.6	7.3	5.7	.9	.4						18.1	10.1
W	1.7	3.4	5.1	2.7	1.4	.1						14.4	6.9
WNW	.9	1.4	.3	.1								2.7	4.5
NW	.5	.2										.8	2.9
NNW	.3	.5	.2									1.2	4.5
VARBL		.1	9.3	2.5	.2							11.1	9.4
CALM												7.5	
	15.7	24.4	31.2	16.5	3.5	1.2						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

175140 RAMSTEIN AB GERMANY
STATION STATION NAME

74-83
YEARS

MAP
NORTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.5	.1									1.5	3.3
NNE	2.2	2.2	.4									4.7	4.2
NE	1.2	2.9	.5	.2								4.9	5.1
ENE	.8	2.0	2.2	.4	.1							5.5	6.9
E	.5	1.2	1.7	.8								4.3	7.5
ESE	.3		.1									.4	3.8
SE		.3										.3	5.3
SSE	.1	.3	.1									.5	4.8
S	.9	.9	.8									2.5	4.9
SSW	1.4	2.0	1.7									5.2	5.2
SW	.3	2.4	3.7	3.8	.5	.1						11.2	10.0
WSW	1.0	2.9	5.9	6.7	1.5	.3						18.2	10.6
W	1.8	4.4	5.7	3.7	1.2	.1						16.9	8.7
WNW	.5	2.2	1.0	.3								4.0	6.2
NW	.5	.4	.1									1.1	4.2
NNW	.5	.8										1.3	3.9
VARBL		.1	9.8	2.6	.4							12.9	9.5
CALM												4.6	
	13.4	25.5	33.9	18.4	3.8	.5						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105147
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.6										1.8	3.3
NNE	1.3	1.2	.1									2.6	3.3
NE	2.7	3.1	.3									6.1	3.8
ENE	2.6	3.4	2.2	.1								8.3	5.1
E	1.7	1.0	1.5	.3								3.9	6.5
ESE	.2	.3										.5	3.6
SE	.5	.2										.8	3.1
SSE	.4	.6										1.1	3.6
S	1.1	1.1	.4									2.6	4.2
SSW	1.5	3.1	1.0	.2								5.8	4.9
SW	.8	2.5	2.7	2.4	.3	.3						9.0	9.3
WSW	2.5	4.1	4.2	3.0	.9	.5						15.2	8.5
W	3.7	4.4	4.4	3.0	.4							15.9	7.2
WNW	1.7	.5	.3	.1								2.7	3.8
NW	.5	.2										.8	3.0
NNW	.2	.4										.6	3.8
VARBL		.1	3.3	1.1	.1							4.6	9.8
CALM												17.7	
	21.8	27.1	20.5	10.2	1.7	.9						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140 STATION RAMSTEIN AB GERMANY 74-83 YEARS MAR MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.1										.5	2.4
NNE	1.9	.2										2.2	2.1
NE	2.7	1.2	.2	.1								3.5	3.7
ENE	3.4	1.9	1.7									7.1	4.5
E	.9	1.3	.1									1.9	3.4
ESE	.2											.2	1.5
SE	.4											.4	2.3
SSE	.1	.1	.2									.4	6.8
S	.9	.5	.3									1.7	3.8
SSW	.5	1.6	.5	.3								3.1	6.0
SW	1.1	2.4	1.9	1.4	.2	.5	.1					7.6	9.4
WSW	1.7	2.8	4.9	2.8	.5	.1						12.9	8.3
W	2.5	3.2	2.2	1.2	.2	.1						9.4	6.6
WNW	.5	.6	.1									1.3	3.7
NW	.1	.2										.3	4.0
NNW	.2		.1									.3	3.7
VARBL	.1		2.2	1.1	.2							3.5	10.4
CALM												43.4	
	17.1	15.9	14.6	6.9	1.2	.8	.1					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.5	.1									1.4	3.7
NNE	1.2	.9	.1									2.2	3.6
NE	1.7	1.9	.4	.1								4.1	4.2
ENE	1.8	2.7	1.5	.2	.3							6.2	5.3
E	1.2	1.1	.9	.2								3.3	5.3
ESE	.4	.1	.3		.3							.6	3.0
SE	.2	.1										.3	3.3
SSE	.2	.2	.1									.4	4.1
S	.5	.6	.3									1.5	4.6
SSW	.8	1.5	.7	.1	.3							3.2	5.5
SW	1.3	2.4	3.7	2.5	.4	.2	.3					9.5	9.2
WSW	1.7	3.6	5.9	4.2	.8	.2						16.3	9.0
W	2.4	3.4	3.5	2.2	.7	.1						12.2	7.7
WNW	.9	.8	.3	.4	.3							2.1	4.5
NW	.4	.2	.3									.6	3.3
NNW	.2	.3	.1									.6	4.1
VARBL	.3	.1	3.9	1.3	.2	.3						5.5	9.8
CALM												30.3	
	15.3	23.4	23.7	13.9	2.1	.5	.3					100.3	5.1

TOTAL NUMBER OF OBSERVATIONS

7439

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

136143
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.2	.1									1.1	3.6
NNE	1.3	.4										1.8	2.8
NE	1.1	1.1	.2									2.4	4.0
ENE	2.2	2.1	.9	.4								5.7	4.7
E	1.3	.2										1.5	2.3
ESE	1.3	.2										1.2	2.3
SE	.1											.1	1.0
SSE													
S	.4	.1										.6	2.4
SSW	.6	.3	.3		.2							1.4	6.9
SW	.4	.9	.7	.6								2.6	7.2
WSW	1.6	4.3	1.8	.7								8.0	5.7
W	3.9	2.7	1.3	.3								8.2	4.4
WNW	1.2	.1	.1									1.4	2.5
NW	.7											.7	2.3
NNW	1.1	.1	.1									1.3	2.5
VARBL		.1	.3	.4	.1							1.4	10.3
CALM												60.4	
	17.8	12.7	6.3	2.4	.3							100.0	1.9

TOTAL NUMBER OF OBSERVATIONS

899

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106140
STATIONRAMSTEIN AB GERMANY
STATION NAME74-83
YEARSAPR
MONTHALL WEATHER
CLASS0300-2500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.4	.1									1.3	3.5
NNE	.9		.1									.9	3.0
NE	1.7	1.0										2.7	3.1
ENE	1.4	1.4	1.1									4.0	4.7
E	2.2	.2	.1									2.5	2.3
ESE	.9											.9	1.5
SE	.1											.1	2.0
SSE	.1											.1	2.0
S	.1											.1	1.0
SSW	.1	.1	.4									.7	6.7
SW	.6	1.0	1.1	.4	.1							3.2	7.4
WSW	1.6	2.4	4.1	1.2	.3							9.7	7.2
W	3.1	3.1	1.5	.1								7.9	4.4
WNW	1.3	.3										1.7	2.2
NW	.6											.6	2.2
NNW	.2	.2										.4	3.3
VARBL		.2	.7	.2	.1	.1						1.3	11.7
CALM												61.9	
	15.6	10.6	9.3	2.0	.6	.1						100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175140 STATION RAMSTEIN AB GERMANY 74-83 YEARS App MONTH 0600-0800 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.4										1.3	3.1
NNE	.3	.1										.9	2.4
NE	.5	1.2	.1									1.9	4.1
ENE	.9	1.1	.9	.1								3.0	5.6
E	2.3	.7	.4									3.4	3.5
ESE	.3	.1										.9	2.1
SE	.1											.1	1.0
SSE	.3											.3	1.7
S	.1		.1									.2	4.5
SSW	.1	.1	.2									.4	6.0
SW	.7	1.3	2.0	1.2								5.2	7.7
WSW	1.7	3.6	4.1	1.0	.2							10.6	6.9
W	2.4	1.8	1.4	.1	.1							5.9	5.1
WNW	.7	.1		.2								1.0	4.9
NW	.3	.2										.6	3.0
NNW	.1	.3										.4	3.5
VARBL			1.2	.4	.1							1.8	10.1
CALM												52.0	
	12.3	11.1	10.5	3.1	.4							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

135143
STATION

RAHSTEIN AB GERMANY
STATION NAME

74-83
YEARS

APR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.9	.2									3.1	4.3
NNE	1.7	1.9	.2									3.7	3.7
NE	2.4	4.6	.4	.1								7.9	4.5
ENE	2.6	5.8	1.9	.9								11.0	5.6
E	2.8	2.7	.9	.2								5.6	4.4
ESE	.9	.8										1.7	3.3
SE	.2	.1	.1									.4	4.5
SSE	.3											.3	2.0
S	.2	.2	.1									.6	4.4
SSW	.4	.6	.2									1.2	4.5
SW	.4	2.0	1.3	.9								4.7	7.4
WSW	1.3	3.1	5.9	3.1								13.3	8.1
W	3.3	3.1	3.2	1.0	.1							10.8	6.0
WNW	1.0	1.0	.1									2.1	3.7
NW	.3	.3	.1									.6	4.1
NNW	.2	.7										1.4	3.5
VARBL		.1	5.9	1.2								7.2	8.8
CALM												23.2	
	19.8	29.7	20.9	7.4	.1							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

100147 STATION NAME RAMSTEIN AB GERMANY YEARS 74-83 MONTH APR
ALL WEATHER CLASS 1200-1400 HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.8	.3									5.8	3.6
NNE	2.3	3.2	.5									6.1	4.3
NE	1.8	3.4	.7	.1								6.0	5.0
ENE	1.4	3.4	2.7	.7								8.2	6.3
E	.9	1.7	1.5	.6								4.7	6.9
ESE	.1	.9	.4	.2								1.6	7.1
SE	.7	.1	.3									.8	5.0
SSE	.7	.2	.1									.6	5.2
S	.4	1.1	.2									1.8	4.6
SSW	.4	.9	.7	.1		.1						2.2	6.8
SW	.4	1.8	1.5	.9	.1		.1					4.9	8.5
WSW	.9	2.7	4.2	2.9	.2							13.9	8.7
W	1.7	3.3	5.1	2.6	.3							13.0	8.1
WNW	.9	1.7	1.0	.1								3.7	5.6
NW	1.1	1.1	.2									2.4	4.1
NNW	1.2	1.3	.2									2.8	3.8
VARBL		.4	15.8	4.5	.3							21.1	9.3
CALM												3.4	
	16.9	33.0	35.7	12.7	1.0	.1	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

175143 STATION NAME RAMSTEIN AB GERMANY YEARS 74-83 MONTH APR
CLASS ALL WEATHER HOURS 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.9	.2	.1								5.2	3.9
NNE	1.9	2.2	.3									4.4	4.1
NE	1.7	3.4	.7	.3								6.1	5.1
ENE	1.3	3.9	2.8	.6								8.2	6.4
E	.4	2.6	2.7	.4								5.4	6.8
ESE	.3	.9	1.7	.1								2.3	6.2
SE	.1	.2										.3	3.7
SSE	.3		.2									.6	4.4
S	.8	1.1	.2									2.1	4.6
SSW	1.3	.5	.7	.1								2.3	5.2
SW	.9	2.2	2.2	.9	.2							6.4	7.7
WSW	.9	2.6	3.2	2.9	.3							9.8	8.6
W	1.1	2.9	5.2	2.6	.3	.1						13.2	8.6
WNW	.4	1.4	1.6	.1								3.6	6.6
NW	.7	1.1	.3									2.1	4.6
NNW	2.2	.9	.4									3.6	3.5
VARBL		.4	15.7	4.7	.3	.2						21.3	9.4
CALM												2.1	
	16.4	29.3	37.9	12.8	1.2	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140 STATION RAMSTEIN AB GERMANY 74-83 YEARS APR MONTH
ALL WEATHER CLASS 1800-2000 HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.6	.4	.1								5.8	4.2
NNE	1.9	2.7	.1									4.7	3.7
NE	4.7	3.3	1.3	.2								10.0	4.2
ENE	1.2	4.2	2.4	.6								8.4	6.1
E	2.3	2.3	2.6	.4								7.7	5.6
ESE	.3	1.1	.3									1.8	5.3
SE	.3	.1	.2									.7	4.0
SSE	.7	.7										1.3	3.3
S	.9	.4	.1									1.4	3.6
SSW	.7	1.2	.9	.1								2.9	5.6
SW	.8	1.8	1.4	.3								4.3	6.6
WSW	1.7	2.6	3.9	2.1								10.2	7.6
W	1.6	4.4	4.2	1.3	.2	.1						11.9	7.2
WNW	1.6	1.9	.9	.3								4.7	5.0
NW	.9	1.2		.1								2.2	4.6
NNW	1.2	1.3	.3	.1								2.7	4.6
VARRL		.2	7.9	1.3								9.4	8.6
CALM												9.9	
	23.3	32.2	27.1	7.1	.2	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

105147
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

APR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.9	.2									2.7	3.4
NNE	2.1	1.1										3.2	3.0
NE	2.3	1.6	.6									4.4	3.8
ENE	2.0	1.3	.3	.1								4.2	4.6
E	2.0	.7										2.7	2.9
ESE	1.1											1.1	1.7
SE	.7	.1										.8	2.3
SSE	.1											.1	1.0
S	.1	.5	.1									.5	5.0
SSW	.9	.5	.6		.2							2.1	6.4
SW	1.0	1.1	.5		.2							2.9	5.8
WSW	1.7	3.9	1.3	1.1								8.3	6.2
W	3.9	2.9	1.7	.2								8.4	4.4
WNW	1.7	1.1	.1									2.9	3.1
NW	.9	.2										1.1	2.7
NNW	.3	.7										1.0	4.3
VARBL		.1	1.2	.3								1.7	8.7
CALM												51.6	
	22.1	15.6	7.6	1.8	.4							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/440

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

105140 STATION RAMSTEIN AB GERMANY 74-83 YEARS MONTH APR
CLASS ALL WEATHER HOURS (L & T) ALL
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.5	.2	.0								3.4	3.8
NNE	1.6	1.4	.2									3.2	3.7
NE	2.3	2.5	.5	.1								5.2	4.4
ENE	1.6	2.9	1.7	.4								6.6	5.7
E	1.8	1.4	.9	.2								4.3	4.9
ESE	.7	.5	.2	.0								1.4	4.2
SE	.3	.1	.1									.4	3.6
SSE	.3	.1	.0									.4	3.4
S	.4	.4	.1									.9	4.2
SSW	.5	.5	.5	.0	.1	.0						1.7	6.0
SW	.7	1.5	1.4	.7	.1		.0					4.3	7.4
WSW	1.4	3.1	3.5	1.9	.1							10.1	7.5
W	2.6	3.0	3.1	1.0	.1	.0						9.9	6.4
WNW	1.1	1.0	.5	.1								2.6	4.6
NW	.7	.5	.1	.0								1.3	3.9
NNW	.9	.7	.1	.0								1.7	3.7
VARBL		.2	6.1	1.7	.1	.0						5.2	9.3
CALM												34.3	
	19.1	21.4	19.4	6.2	.5	.1	.0					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7198

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106140
STATIONRAMSTEIN AB GERMANY
STATION NAME74-83
YEARSMAY
MONTHALL WEATHER
CLASS0000-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.1										.3	2.7
NNE	.4											.4	2.0
NE	1.5	.2										1.7	2.3
ENE	1.7	1.8	.5	.1								4.2	4.4
E	2.7	.6	.1									3.4	2.6
ESE	.7	.1										1.0	2.1
SE	.1											.1	3.0
SSE	.2		.1									.3	3.3
S	.4	.1	.1									.6	3.5
SSW	.8	1.0	.4	.1								2.3	4.9
SW	.8	1.0	.8									2.5	4.9
WSW	1.7	3.3	1.4	.2								6.7	5.3
W	3.3	3.7	2.7	.1								9.1	4.7
WNW	1.1	.4										1.5	3.0
NW	.3	.1										.4	2.5
NNW	.1	.3										.4	4.0
VARBL			1.3	.2								1.6	8.9
CALM												63.3	
	15.2	12.8	5.9	.8								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106140
STATIONRAMSTEIN AB GERMANY
STATION NAME74-83
YEARSMAY
MONTHALL WEATHER
CLASS0100-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.3										.2	2.9
NNE	.4	.1										.5	2.4
NE	.4	.2	.1									.5	3.4
ENE	1.9	2.0	.9									4.8	4.1
E	2.5	.4	.1									3.0	2.4
ESE	1.0	.2										1.2	2.0
SE	.1											.1	1.0
SSE				.1								.1	11.0
S	.2	.5										.8	3.7
SSW	.2	.6	.1	.1								1.1	6.1
SW	.9	1.7	.5	.2								3.3	5.6
WSW	2.3	4.1	1.4	.3								8.1	5.0
W	4.2	2.5	1.9	.5								9.1	4.7
WNW	1.3	.2										1.5	2.3
NW	.5											.5	1.8
NNW	.8											.8	1.9
VARBL			.5									.6	3.8
CALM												62.6	
	17.2	13.0	5.7	1.3								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106143
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	.1									1.2	4.0
NNE	.6	.4										1.1	3.3
NE	.9	.5										1.4	3.0
ENE	1.7	2.3	.5									4.6	4.5
E	3.2	1.9		.1								5.3	3.1
ESE	1.1	.4										1.5	2.6
SE	.1											.1	1.0
SSE													
S	.3	.4										.8	3.9
SSW	.5	1.1	.5									2.2	4.7
SW	1.4	2.3	1.1	.1								4.8	5.2
WSW	1.6	3.6	3.1	.4								8.7	6.0
W	3.6	2.0	1.9	.5								8.2	5.3
WNW	.9	.3	.1									1.3	3.3
NW	.1	.1										.2	3.0
NNW	.2											.2	1.5
VARBL			1.3		.1							1.4	9.2
CALM												57.1	
	15.3	15.9	9.8	1.3	.1							100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

929

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

175140
STATIONRAMSTEIN AB GERMANY
STATION NAME74-83
YEARSMAY
MONTHALL WEATHER
CLASS0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3										2.2	3.4
NNE	.3	2.0	.3									3.1	4.3
NE	2.3	2.5	.5	.1								5.5	4.6
ENE	4.7	6.3	2.0	.3								12.7	5.0
E	3.2	1.2	1.0	.8								6.1	4.9
ESE	.5	.2	.1									.9	4.0
SE	.2	.1										.3	4.0
SSE	.3	.2										.5	3.4
S	.5	.3										.9	3.0
SSW	.4	1.1	1.4									2.9	6.2
SW	.5	2.6	3.1	.4								6.7	7.0
WSW	2.4	3.9	3.4	1.2								10.9	6.4
W	4.7	4.3	3.5	2.8	.1							14.7	6.7
WNW	1.7	.6	.1									1.7	3.6
NW	1.1	.1										1.2	2.0
NNW	.9	.4	.1									1.3	3.4
VARBL		.1	6.7	2.7	.2							9.7	9.5
CALM												18.0	
	23.7	27.3	22.5	9.3	.3							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105147 STATION NAME RAMSTEIN AB GERMANY 74-83 YEARS MAY MONTH
1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.2	.2									4.6	3.7
NNE	2.3	1.9	.2									4.4	3.8
NE	1.5	3.4	.1									5.1	4.2
ENE	1.3	3.3	1.5	.3								6.5	5.8
E	1.5	1.8	1.2	.8								4.7	6.7
ESE	.3	.3	.2									.9	5.1
SE	.5	.2	.2	.1								1.1	5.1
SSE	.5	.5	.1	.1								1.4	4.2
S	.5	1.5	.5	.1								2.7	5.2
SSW	.5	2.5	1.1	.2								4.6	5.7
SW	.9	3.2	2.3	1.4								7.6	7.3
WSW	1.2	4.6	4.9	1.2								11.5	6.9
W	2.3	4.4	4.2	1.9	.3							13.4	7.0
WNW	1.5	1.5	.4	.1								3.5	4.4
NW	.3	.5										.9	3.8
NNW	.5	.5	.1									1.3	4.1
VARBL		.2	15.7	5.5	.8							22.2	9.8
CALM												3.7	
	13.1	32.9	32.3	11.5	1.1							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140	RAMSTEIN AB GERMANY	74-83	MAY
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1500-1700
CLASS			HOURS (L.B.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.3	.1									3.5	4.4
NNE	1.9	2.2	.2									4.3	3.8
NE	1.5	2.9	.2									4.6	4.3
ENE	1.1	3.2	1.3	.4								6.0	5.9
E	1.0	2.6	1.5	1.0								6.1	6.9
ESE	.5	.3	.9	.3								1.9	6.5
SE	.2	.6										.9	4.3
SSE	.2	.6	.2									1.1	4.7
S	1.8	1.2	.3									3.3	3.8
SSW	1.2	1.9	1.3	.2								4.5	5.7
SW	1.2	2.9	3.0	.8								7.8	6.7
WSW	1.5	3.8	4.7	1.9	.1							12.0	7.5
W	1.2	3.9	5.1	2.5	.5							13.1	8.2
WNW	1.5	1.4	.9	.1	.1							3.9	5.3
NW	.6	.4	.3									1.4	4.7
NNW	1.1	.9										1.9	3.4
VARBL		.3	14.5	6.5								21.3	9.7
CALM												2.2	
	17.7	31.3	34.4	13.7	.9							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140 STATION NAME: RAMSTEIN AB GERMANY YEARS: 74-83 MONTH: MAY
CLASS: ALL WEATHER HOURS (L & T): 1800-2000
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.0	.1									3.7	3.0
NNE	3.3	2.7	.1									6.1	3.6
NE	3.5	3.2	.5									7.3	3.8
ENE	2.2	3.3	1.7	.2								7.4	5.2
E	1.9	1.9	2.6	1.0								7.4	6.5
ESE	.2	.9	1.0	.1								2.2	6.8
SE	.9											.2	2.3
SSE	1.1	.3										1.4	2.8
S	1.3	1.2	.1									2.6	3.5
SSW	1.7	1.1	.5									3.4	4.0
SW	1.6	3.0	2.4	.4	.1							7.5	6.2
WSW	2.6	4.3	3.5	1.2	.1							11.7	6.3
W	2.9	4.5	4.1	1.8	.2							13.4	7.0
WNW	1.0	1.3	.8	.4								3.4	5.8
NW	.3	.4	.1									.9	4.5
NNW	.9	.9										1.7	3.6
VARBL			2.7	2.7	.1							11.8	9.4
CALM												7.1	
	27.8	30.0	25.7	7.8	.5							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

175140 STATION RAMSTEIN AB GERMANY 74-83 YEARS 4AY MONTH
2100-2300 HOURS (LST.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.3										1.7	2.4
NNE	2.3	.5										2.3	2.5
NE	2.3	1.4	.1									3.8	3.3
ENE	2.9	2.0	1.0	.1								6.0	4.1
E	2.4	1.3	.6									4.3	3.7
ESE	.3	.3										1.1	2.1
SE	.9											.9	1.9
SSE		.1										.1	4.0
S	1.1	.2										1.3	2.5
SSW	1.5	.5	.4	.1								2.6	4.0
SW	1.1	1.8	.9	.2								4.0	5.1
WSW	1.9	3.0	1.7	.3								7.0	5.3
W	2.9	3.8	2.3	1.0								9.9	5.8
WNW	1.2	.2	.1		.1							1.5	3.7
NW	.3		.3	.1								.3	6.4
NNW	.3	.2										.3	3.2
VARBL			2.3	.5								2.3	8.5
CALM												46.9	
	23.1	15.8	9.7	2.4	.1							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175140 RAMSTEIN AB GERMANY

74-83

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.0	.1									2.4	3.5
NNE	1.5	1.2	.1									2.3	3.6
NE	1.7	1.8	.2	.2								3.8	3.9
ENE	2.1	3.1	1.2	.2								6.5	4.9
E	2.2	1.5	.9	.4								5.1	5.0
ESE	.7	.3	.3	.1								1.3	4.3
SE	.4	.1	.2	.2								.5	3.4
SSE	.3	.2	.1	.2								.6	3.9
S	.9	.7	.1	.2								1.6	3.9
SSW	.9	1.2	.7	.1								2.9	5.2
SW	1.7	2.3	1.7	.4	.2							5.5	6.3
WSW	1.9	3.8	3.2	.8	.2							9.6	6.2
W	3.1	3.5	3.1	1.4	.1							11.4	6.4
WNW	1.2	.8	.3	.1	.2							2.3	4.3
NW	.5	.2	.1	.2								.3	3.6
NNW	.5	.4	.2									1.2	3.4
VARBL		.1	5.4	2.3	.1							8.9	9.6
CALM												72.9	
	27.1	22.4	13.4	5.9	.4							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

7439

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175140 STATION RAMSTEIN AB GERMANY 74-83 YEARS JUN MONTH
ALL WEATHER CLASS 0000-0200 HOURS (LST)
CONDITION

SPEED KNOTS: DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5											.5	1.6
NNE	.4	.1										.5	2.2
NE	.3	.1										1.0	2.3
ENE	.3	1.2	.7									.3	4.6
E	1.0	.2										1.2	2.2
ESE	.5											.5	1.5
SE		.1										.1	4.3
SSE	.1											.1	2.0
S	.4	.2										.7	2.7
SSW	1.2	.1		.1								1.4	2.8
SW	.4	.9	1.2	.3								2.9	6.9
WSW	1.2	2.4	1.9	.3								5.5	5.3
W	4.4	3.2	1.4									9.2	3.9
WNW	1.7	.5	.2									2.4	3.0
NW	.5	.2		.1								.9	4.0
NNW	.2											.2	2.0
VARBL			.5	.1								.7	9.5
CALM												65.6	
	15.4	7.5	5.6	1.0								100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 899

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140

RAMSTEIN AB GERMANY

74-83

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0700-0500

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.2										.6	3.6
NNE	.3											.7	2.3
NE	.4	.5										.7	2.7
ENE	.5	.6	.5									1.1	4.3
E	1.3	.7										1.2	2.3
ESE	.7	.1										.7	2.7
SE													
SSE													
S	.3	.1										.4	2.3
SSW	.3	.6	.2									1.1	4.6
SW	1.3	1.1	.5	.1								2.3	4.9
WSW	1.3	.7	2.7	.2								3.1	5.2
W	.4	2.8	1.3	.3								3.9	4.1
WNW	1.1	.2										1.3	2.5
NW	.4											.4	1.7
NNW	.1	.1										.2	4.0
VARBL			.7	.3								1.3	9.7
CALM												71.1	
	12.7	13.2	5.2	1.2								100.0	1.3

TOTAL NUMBER OF OBSERVATIONS

930

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106147 STATION RAMSTEIN AB GERMANY 74-83 YEARS JUN MONTH
ALL WEATHER CLASS 0000-2300 HOURS (LST)
CONDITION

SPEED KNTS D.R	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.3										1.0	2.9
NNE	.9	.1										1.0	1.9
NE	.4	.4										.9	4.0
ENE	1.2	1.2	.2									2.7	3.7
E	2.7	1.1										3.1	2.9
ESE	1.7	.1										1.1	1.6
SE													
SSE													
S													
SSW	.7	.3	.2									.6	5.0
SW	1.1	1.6	1.9	.5	.1							4.6	6.6
WSW	3.0	5.0	2.9	.1								11.0	4.8
W	5.2	4.0	1.6	.2								10.8	4.1
WNW	1.2	.7	.2									1.6	3.4
NW	.7	.1										.4	3.0
NNW	.5											.2	1.5
VARBL			1.1	.2								1.3	6.5
CALM												56.4	
	13.7	14.6	7.2	1.1	.1							100.2	1.7

TOTAL NUMBER OF OBSERVATIONS

970

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

175147 RAMSTEIN AB GERMANY 74-83 JUN
 STATION STATION NAME YEARS MONTH
 ALL WEATHER 0000-1100
 CLASS HOURS (LST)
 CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	1.3	.2									3.7	3.3
NNE	1.0	1.0										3.0	3.3
NE	2.1	2.7										4.6	3.5
ENE	4.1	5.1	.5	.3								10.5	4.3
E	3.2	2.2	.4	.8								5.7	4.5
ESE	.8											.5	1.9
SE	.1											.1	1.0
SSE	.7	.1										.4	2.0
S	.3		.5									.6	4.4
SSW	.9	2.0	.4									3.3	4.6
SW	1.2	1.9	3.8	.7								7.2	6.9
WSW	2.6	4.7	5.2	1.2	.1							14.8	6.8
W	3.7	4.8	4.7	1.8								14.5	6.1
WNW	1.2	1.2	.4	.1								2.8	4.4
NW	.1	.2	.1									.4	5.0
NNW	.3	.4										1.3	3.3
VARBL		.2	5.0	.9	.1							7.2	9.1
CALM												17.2	
	25.5	23.5	23.5	5.1	.2							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

899

JOINT CLIMATE BRANCH
JRAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140 STATION NAME RAMSTEIN AB GERMANY 74-83 YEARS MONTH JULY
CLASS ALL WEATHER
CONDITION
1200-1400 HOURS (LST)

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.9	.5									4.1	4.3
NNE	1.7	2.7										4.4	3.5
NE	1.4	3.5	.4									5.2	4.3
ENE	2.4	3.3	.4	.4								7.2	4.8
E	1.7	1.4	.7	.5								4.3	5.3
ESE	.5	.7	.7	.1								1.2	5.4
SE	.7											.2	1.0
SSE	.7	.3	.1									1.3	3.6
S	.5	1.0	.1									1.7	4.1
SSW	.7	1.4	.5	.1	.1							3.4	5.6
SW	.7	2.3	3.8	1.4	.1							5.5	8.0
WSW	2.7	3.3	5.9	1.7	.1							13.0	7.3
W	1.3	5.6	7.2	2.7	.1	.1						16.3	7.4
WNW	1.1	1.4	1.2	.1								3.9	5.4
NW	.7	.4	.3									1.5	4.6
NNW	1.4	1.1	.7									2.4	4.0
VARBL		.7	11.5	4.7	.3							17.2	9.8
CALM												3.0	
	22.0	31.3	35.2	11.1	.8	.1						122.3	6.5

TOTAL NUMBER OF OBSERVATIONS

920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10107 RAMSTEIN AB GERMANY
STATION STATION NAME

74-83
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1000-1700
HOURS (LST)

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.3	.3									2.2	4.1
NNE	1.4	2.3	.3									4.3	3.9
NE	2.2	1.3	.3									5.9	4.5
ENE	2.1	2.9	1.7	.3								5.3	5.1
E	.7	1.4	.5	.5	.1							3.3	5.6
ESE	.5	.2	.4									1.2	5.3
SE	.4	.1	.1									.7	3.7
SSE	.1	.3	.1									.5	3.6
S	.2	.4	.2									1.7	4.0
SSW	1.7	1.1	1.4									3.6	5.6
SW	1.3	2.3	3.3	1.1	.1							9.1	7.1
WSW	1.2	3.4	4.2	2.3	.2							11.9	9.3
W	1.2	5.2	7.1	3.1	.4							17.2	9.1
WNW	1.2	1.9	.7									3.8	4.7
NW	.1	.3	.1	.1								1.1	5.4
NNW	1.2	1.7	.3									3.2	4.4
VARBL	.1	.5	13.4	3.7	.4							18.2	9.4
CALM												3.0	
	17.7	51.9	33.4	11.7	1.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1000-2000
HOURS (LST)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.3										2.2	3.3
NNE	3.4	3.1	.1									5.7	3.4
NE	7.7	2.6	.7									5.2	3.9
ENE	1.5	3.1	.7	.1								5.4	4.9
E	1.0	.7	.2	.2								2.8	5.5
ESE	.5	.3	.1									1.0	3.9
SE	.7	.1	.1									.9	3.3
SSE	.7	.5										1.2	2.8
S	1.2	1.1	.2									2.5	3.9
SSW	.8	1.1	1.1									3.0	5.4
SW	1.5	2.4	2.0	1.0								7.0	6.3
WSW	2.7	5.3	5.1	1.9	.2							14.8	6.9
W	2.3	5.3	5.7	2.3	.3							18.0	7.1
WNW	1.5	2.1	.2	.1								4.7	5.1
NW	.4	1.5	.2									2.2	4.4
NNW	.4	.8	.4									1.5	4.4
VARBL			3.7	2.1								10.8	9.2
CALM												6.2	
	24.2	33.5	27.0	7.7	.5							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

970

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

JUN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	WIND SPEED
N	1.5	.7										2.2	2.7
NNE	2.0	1.2										4.3	2.9
NE	2.6	1.7	.1									4.3	3.4
ENE	1.9	1.2										3.1	3.3
E	.7	.8										1.4	3.3
ESE	.5	.1										.7	1.8
SE	.7	.1										.4	2.3
SSE	.2	.1										.3	2.3
S	.7	.3										1.0	3.0
SSW	.9	.8	.5									2.2	5.0
SW	.9	1.3	1.2	.4								3.6	6.2
WSW	4.1	3.9	3.8	.3	.2							12.3	5.4
W	6.2	3.2	1.9	.4								11.7	4.3
WNW	1.5	.8	.1									2.1	2.8
NW	1.7	.2										1.8	3.2
NNW	.7	.3										1.0	2.9
VARBL			.5	.1								.7	8.2
CALM												47.1	
	25.6	15.7	8.1	1.3	.2							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175140 STATION RAMSTEIN AB GERMANY 74-83 YEARS JUN NORTH
ALL WEATHER CLASS ALL HOURS (L & T)
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.3	.1									2.8	3.6
NNE	1.7	1.4	.7									3.1	3.3
NE	1.6	1.3	.7									3.6	3.8
ENE	1.4	2.4	.5	.2								4.9	4.5
E	1.4	1.7	.4	.2	.3							2.6	4.5
ESE	.5	.2	.1	.3								.9	3.5
SE	.2	.1	.7									.3	3.3
SSE	.3	.2	.7									.5	3.2
S	.5	.4	.1									1.0	3.7
SSW	.4	.9	.5	.3	.3							2.4	5.3
SW	1.1	1.3	2.2	.7	.3							5.7	6.3
WSW	2.5	4.3	4.7	1.1	.1							11.6	5.4
W	3.7	4.4	4.7	1.2	.1	.7						13.4	6.1
WNW	1.2	1.3	.5	.3								2.8	4.3
WW	.7	.5	.1	.3								1.2	4.0
NNW	.7	.6	.1									1.3	3.9
VARBL	.7	.2	5.3	1.5	.1							7.1	9.4
CALM												34.3	
	22.7	22.3	19.2	5.7	.4	.7						100.7	3.7

TOTAL NUMBER OF OBSERVATIONS 7198

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5											.6	1.8
NNE	.2	.3										.5	3.2
NE	.3	.2										.5	2.4
ENE	1.2	.4	.1									1.7	3.1
E	1.3	.6										1.9	2.8
ESE	.2											.2	2.5
SE	.3											.3	1.7
SSE	.1											.1	2.0
S		.1										.1	5.0
SSW	.4	.5	.1									1.1	3.9
SW	.5	.8	1.4	.6								3.3	7.8
WSW	2.6	2.7	2.2	.9								8.3	5.7
W	4.5	3.4	2.0	.2								10.3	4.4
WNW	1.5	.5	.1									2.2	2.8
NW	.3	.2										.5	3.0
NNW													
VARBL			.1									.1	7.0
CALM												68.1	
	14.3	9.9	5.7	1.7								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140 STATION RAMSTEIN AB GERMANY STATION NAME 74-53 YEARS JUL MONTH
ALL WEATHER CLASS 0300-0500 HOURS (L & T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2											.2	1.5
NNE	.1	.3										.4	3.3
NE			.1									.1	9.0
ENE	.9	.3										1.2	2.5
E	1.1	.6										1.7	2.6
ESE													
SE	.2											.2	2.0
SSE	.1		.1									.2	5.0
S	.1		.1									.2	6.0
SSW	.2	.1	.3									.6	5.3
SW	.9	1.2	1.9	.1								4.0	6.2
WSW	1.4	2.9	2.7	.9								7.0	6.6
W	3.9	3.5	1.3	.1								8.7	4.3
WNW	1.5	.5	.1									2.2	3.1
NW	.1	.1										.2	3.5
NNW	.4											.4	2.0
VARBL			.1		.1							.2	12.0
CALM												72.4	
	12.9	9.6	6.1	1.0	.1							100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5											.5	1.5
NNE	.4	.1										.5	2.2
NE	.1	.1										.2	3.5
ENE	.9	.4		.1								1.4	4.0
E	3.1	.9										3.9	2.6
ESE	.9	.1										.9	1.8
SE	.2	.1										.3	3.0
SSE													
S			.4									.4	8.0
SSW	.3	.3	1.1									1.7	6.8
SW	.5	1.6	2.0									4.2	6.3
WSW	2.3	3.9	3.7	.5								10.3	6.0
W	4.0	4.1	1.7	.2								10.0	4.5
WNW	1.6	.2										1.8	2.2
NW	.2	.1										.3	2.3
NNW	.1											.1	2.0
VARBL			.2									.2	8.0
CALM												62.9	
	15.2	11.9	9.2	.9								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

928

2

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

174140 STATION RAMSTEIN AB GERMANY 74-83 YEARS JUL MONTH
0900-1100 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.0										2.5	2.9
NNE	2.2	1.2	.1									3.4	3.3
NE	2.4	1.9	.1									4.4	3.6
ENE	3.2	4.6	.5	.1								3.6	4.3
E	2.7	2.2	.5	.1								5.6	4.0
ESE	2.0	.2	.1									2.4	2.5
SE	.2	.1										.3	2.7
SSE	.3	.1	.1									.5	3.6
S	.3	.2	.2									.8	4.6
SSW	.6	.5	1.2	.5								2.9	7.3
SW	.9	1.9	2.5	.6								5.9	7.0
WSW	3.7	4.3	6.2	1.8								15.4	6.7
W	2.4	5.0	5.1	1.4								14.8	6.3
WNW	2.8	.8	.3									3.9	3.1
NW	.5	.1	.1									.8	3.1
NNW	1.7	.8										1.7	3.4
VARBL			4.2	1.7								6.7	9.2
CALM												19.5	
	26.2	25.9	22.3	6.3								120.0	4.5

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175143 STATION RAMSTEIN AB GERMANY 74-83 YEARS JUL
STATION NAME MONTH
ALL WEATHER CLASS 1200-1400
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	1.7	.3									4.9	3.5
NNE	1.4	2.2	.2									3.8	3.8
NE	1.2	2.7	.4	.1								4.4	4.6
ENE	1.5	2.9	1.3	.2								5.8	4.9
E	.4	3.2	1.5	.2								5.5	6.0
ESE	.5	1.1	.2	.1								2.0	4.6
SE	.2	.2	.2									.6	5.5
SSE	.5	.2	.3									1.2	3.5
S	1.0	.5	.4									1.9	4.4
SSW	.9	1.2	.5	1.0								3.4	7.1
SW	.5	2.0	2.3	1.3								5.1	7.9
WSW	1.1	5.3	5.5	3.1	.1							16.0	8.0
W	3.1	4.6	5.5	2.0								16.2	6.9
WNW	1.5	2.4	.5	.1								4.7	4.7
NW	.3	.5	.2									1.3	4.7
NNW	1.3	1.4	.1									2.8	3.7
VARBL		.5	10.9	3.4								14.8	9.3
CALM												4.3	
	12.6	32.9	32.6	11.6	.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.0	.4									5.6	4.1
NNE	2.0	2.2	.2									4.4	4.0
NE	.9	2.6	.1									3.5	4.2
ENE	1.7	2.7	1.3									5.7	4.8
E	1.3	1.9	.5	.3								4.1	5.1
ESE	.4	1.0	.4									1.8	4.9
SE	.5	.2										.8	2.9
SSE	.5	.5	.4									1.6	4.7
S	.2	1.2										1.4	4.5
SSW	.2	1.3	.1	.9								3.1	6.7
SW	.5	2.3	1.9	.8	.2							5.7	7.3
WSW	1.9	3.7	5.0	3.3	.1							15.1	8.0
W	1.4	4.1	8.2	4.0								17.5	8.4
WNW	1.4	2.3	1.3	.3								5.3	5.7
NW	1.7	.5	.8									2.3	4.6
NNW	1.3	1.9	.3									3.5	4.1
VARBL		.4	11.8	3.5	.3							16.1	9.4
CALM												2.4	
	19.3	31.7	33.9	13.1	.6							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

135140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1300-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.3	.3									4.2	3.9
NNE	3.1	1.8	.5									5.5	3.6
NE	2.8	3.1	.3	.1								6.3	4.1
ENE	2.3	3.7	1.3									6.7	4.6
E	1.3	1.7	1.9									4.9	5.5
ESE	.5	1.4	.3									2.3	4.9
SE	.2	.2	.1									.5	4.0
SSE	.4	.4	.1	.1								1.1	4.9
S	1.3	.5	.3	.2								2.4	4.5
SSW	1.3	.6	1.3	.1								2.7	5.6
SW	.5	2.3	2.8	.5								5.1	7.1
WSW	2.9	4.0	4.7	2.2								13.8	6.9
W	1.9	5.7	8.4	2.2	.2							19.4	7.2
WNW	1.3	3.3	.4	.2								4.6	5.3
NW	.9	1.5	.1									2.5	4.2
NNW	.6	1.2										1.5	3.8
VARBL		.2	5.9	1.9								8.1	9.4
CALM												5.5	
	23.1	34.4	28.3	7.5	.2							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

176147
STATIONRAMSTEIN AB GERMANY
STATION NAME74-83
YEARSJUL
MONTHALL WEATHER
CLASS2100-2370
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.1	.1									1.5	2.5
NNE	2.2	.6										2.8	2.6
NE	2.7	.9	.1									3.7	2.8
ENE	2.5	1.8										4.3	3.1
E	2.7	.9	.1									3.7	2.6
ESE	.5	.2										.8	2.6
SE	.1											.1	2.0
SSE	.2	.1										.3	2.3
S	.4											.4	2.3
SSW	.5	.5	.4	.3								1.9	6.2
SW	1.2	1.8	.9	.2	.1							4.2	5.8
WSW	2.7	3.7	3.3	.4								10.1	5.7
W	4.5	5.1	2.9	.3								12.8	4.8
WNW	1.6	1.2		.1								2.9	3.4
NW	.4	.4										.9	3.1
NNW	.5	.2	.1									.9	3.9
VARBL			1.3	.1								1.1	8.4
CALM												47.8	
	24.1	17.5	8.9	1.5	.1							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.0	.1									2.6	3.5
NNE	1.5	1.1	.1									2.7	3.5
NE	1.3	1.4	.1	.0								2.9	3.9
ENE	1.7	2.1	.5	.1								4.4	4.3
E	1.7	1.5	.5	.1								3.9	4.3
ESE	.5	.5	.1	.0								1.3	3.8
SE	.3	.1	.0									.4	3.4
SSE	.3	.2	.1	.0								.6	4.1
S	.4	.3	.2	.0								1.0	4.6
SSW	.5	.6	.5	.3								2.2	6.4
SW	.7	1.7	2.0	.5	.0							4.9	7.0
WSW	2.2	3.8	4.3	.6	.0							12.0	6.8
W	3.2	4.7	4.5	1.3	.0							13.7	6.2
WNW	1.5	1.4	.4	.1								3.4	4.2
NW	.5	.5	.1									1.1	4.0
NNW	.7	.7	.1									1.4	3.7
VARBL		.1	4.4	1.3	.1							5.9	9.3
CALM												35.5	
	19.8	21.7	18.4	5.5	.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 7438

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/44C

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0000-2200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.1										.4	2.8
NNE	.1	.1										.2	3.0
NE	.2	.1										.3	2.3
ENE	.9	1.0	.4									2.3	3.9
E	1.4	.2	.1									1.7	2.4
ESE	.3	.1										.4	2.8
SE	.3	.1										.4	2.5
SSE	.1											.1	3.0
S	.1	.2										.3	4.7
SSW	.4	.1	.2									.8	5.0
SW	.9	.6	.3	.1								1.9	4.6
WSW	3.1	2.3	.9	.1								6.3	4.2
W	4.0	2.0	.2	.2								6.5	3.5
WNW	1.3	.3										1.6	2.6
NW	.1											.1	2.0
NNW	.1	.2										.3	3.7
VARBL			.4									.4	8.3
CALM												75.8	
	13.7	7.5	2.6	.4								100.0	.9

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.1										.4	2.8
NNE	.3											.3	2.0
NE	.3	.1	.2									.6	3.8
ENE	.6	.8	.2									1.6	3.8
E	1.4	.4										1.8	2.4
ESE	.2											.2	1.0
SE	.1											.1	2.0
SSE			.1									.1	8.0
S	.2											.2	2.5
SSW	.1		.1									.2	5.5
SW	.8	.9	.6	.5								2.8	6.4
WSW	1.9	2.3	.8	.1								5.6	4.8
W	3.9	2.0	.4	.3								6.7	3.7
WNW	1.2	.4	.1									1.7	3.1
NW	.6		.1									.8	3.3
NNW	.3	.2	.1									.6	4.3
VARBL													
CALM												76.1	
	12.4	7.7	2.8	1.0								100.0	1.0

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

176143
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.1										.3	2.7
NNE	.1											.1	2.0
NE	.5											.5	2.6
ENE	1.3	.5	.4									2.3	3.9
E	3.2	.6										3.9	2.4
ESE	.5	.1										.5	2.0
SE	.2											.2	1.0
SSE													
S													
SSW	.3	.3										.6	3.5
SW	.5	.9	1.1	.2								2.7	6.3
WSW	1.4	2.7	1.3	.1								5.5	5.0
W	3.0	1.8	1.5	.4								6.8	5.0
WNW	1.1	.3										1.4	2.5
NW	.2	.1	.1									.4	4.3
NNW	.3											.3	1.7
VARBL			.2	.2								.4	10.5
CALM												73.9	
	13.7	7.5	4.6	1.7								100.0	1.1

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175143
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.2										2.5	3.6
NNE	2.2	.9										3.3	2.8
NE	1.9	1.3	.3									3.7	3.6
ENE	3.2	4.5	.9	.2								9.6	4.2
E	2.6	2.8	1.1		.1							6.6	4.4
ESE	1.5	.6										2.3	2.8
SE	.2	.1										.3	2.3
SSE	.3											.3	1.7
S	.3	.3										.6	3.3
SSW	1.1	.1	.2									1.4	3.4
SW	1.2	1.8	1.6	.4								5.1	6.0
WSW	2.5	4.2	4.7	1.1	.1							12.5	6.4
W	5.4	4.3	3.3	1.1								13.8	4.9
WNW	1.4	.4	.2									2.0	3.3
NW	.4	.4										.9	3.1
NNW	.3	.2										.5	3.4
VARBL			2.8	.9								3.5	9.2
CALM												32.3	
	26.0	23.1	14.8	3.5	.2							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106140 STATION RAMSTEIN AB GERMANY 74-83 YEARS AUG NORTH
1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.7										2.4	3.1
NNE	3.4	2.0										5.5	3.1
NE	2.2	3.5	.8									6.5	4.5
ENE	2.3	3.8	1.2	.4								7.6	4.9
E	1.1	2.7	2.5	1.6								7.8	7.5
ESE	1.1	.8	.4	.3								2.6	5.5
SE	.5	.1	.1									.8	3.6
SSE	.4	.3	.3									1.1	4.3
S	.5	.6	.1									1.3	3.8
SSW	1.3	1.7	.8	.1								3.9	4.7
SW	.6	2.4	2.5	1.1	.1							6.7	7.3
WSW	2.0	4.8	5.7	2.3								14.8	7.1
W	3.2	4.5	5.3	1.3								14.3	6.4
WNW	1.6	2.0	.6									4.3	4.3
NW	.8	.5	.2									1.5	3.8
NNW	1.1	1.1	.1									2.3	3.8
VARBL		.1	7.3	3.0	.1							10.5	9.6
CALM												6.2	
	23.7	31.9	27.9	10.1	.2							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106140 RAMSTEIN AB GERMANY

74-83

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.4	.2									5.1	3.5
NNE	2.5	2.6	.2									5.3	3.7
NE	2.5	2.5	.1	.2								5.3	4.0
ENE	1.2	3.0	1.9	.2								6.2	5.7
E	1.4	1.9	1.5	1.0								5.8	6.9
ESE	1.1	1.3	.2	.2								2.8	4.7
SE	.2	.5	.1									.9	4.3
SSE	.2	.3		.1								.6	5.0
S	.4	1.0	.1									1.5	4.4
SSW	1.0	1.5	.9									3.3	5.2
SW	1.5	3.8	3.2	1.0	.1							9.6	6.7
WSW	1.6	3.5	4.2	1.6	.2							11.2	7.4
W	3.3	5.7	5.8	2.6	.1							17.5	6.8
WNW	1.8	1.9	.4	.2								4.3	4.5
NW	1.0	1.3	.2									2.5	4.0
NNW	.9	1.2										2.0	4.1
VARBL	.1	.2	9.0	2.8								12.2	9.1
CALM												4.0	
	23.1	34.5	29.1	9.9	.4							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.8										3.9	3.4
NNE	2.6	1.9	.3									4.8	3.5
NE	2.7	2.4	.1	.1								5.3	3.5
ENE	2.7	3.7	1.3	.2								7.9	4.7
E	2.5	2.2	2.0	.4								7.1	5.4
ESE	1.5	.4	.4									2.4	3.7
SE	.9	.2	.1									1.1	3.2
SSE	.4	.1	.1									.6	3.3
S	1.7	.3										2.0	2.5
SSW	2.7	1.0	.8									4.4	3.9
SW	2.3	2.9	1.5	.2								6.9	5.2
WSW	3.2	5.2	3.3	1.0	.1							12.8	5.9
W	2.6	5.5	5.1	.6								13.8	6.1
WNW	2.2	1.6	.5									4.3	4.0
NW	1.3											1.3	2.1
NNW	1.3	.5	.1									1.9	2.9
VARBL			3.3	1.0								4.3	9.6
CALM												15.3	
	32.4	29.7	19.0	3.5	.1							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

135140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

AUG
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3											.8	1.9
NNE	1.2	.3										1.5	2.1
NE	1.1	.4										1.5	2.8
ENE	3.3	1.7										5.1	2.7
E	2.2	.5										2.7	2.2
ESE	.9	.1										.9	1.9
SE	.2	.1										.3	2.7
SSE	.2	.1										.3	3.3
S	.6	.2										.9	2.4
SSW	1.3	.2	.1									1.6	2.9
SW	1.7	1.0	1.0	.2								3.9	4.9
WSW	3.2	2.4	.3	.1								6.0	3.7
W	4.1	2.0	.9	.1								7.0	3.7
WNW	1.1	.5										1.6	2.5
NW	.6	.2										.9	2.8
NNW	.2											.2	2.5
VARBL			.2	.2								.4	12.0
CALM												54.5	
	22.6	9.9	2.4	.6								100.1	1.2

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175140 STATION RAMSTEIN AB GERMANY 74-83 YEARS AUG MONTH
ALL WEATHER CLASS ALL HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.8	.0									2.0	3.3
NNE	1.5	1.0	.1									2.6	3.2
NE	1.4	1.3	.2	.0								3.0	3.8
ENE	1.9	2.4	.8	.1								5.2	4.4
E	2.0	1.4	.9	.4	.0							4.7	5.1
ESE	.9	.4	.1	.1								1.5	3.8
SE	.3	.1	.0									.5	3.2
SSE	.2	.1	.1	.0								.4	4.0
S	.5	.3	.0									.9	3.3
SSW	1.0	.6	.4	.0								2.0	4.3
SW	1.2	1.8	1.5	.5	.0							4.9	6.1
WSW	2.4	3.5	2.6	.8	.1							9.3	6.0
W	3.7	3.5	2.9	.8	.0							10.8	5.4
WNW	1.5	.9	.2	.0								2.7	3.7
NW	.5	.3	.1									1.0	3.4
NNW	.5	.4	.0									1.0	3.5
VARBL	.0	.0	2.9	1.0	.0							4.0	9.4
CALM												43.5	
	20.8	19.0	12.8	3.8	.1							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 7439

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5											.5	1.8
NNE	.4	.2										.7	3.2
NE	.4											.4	2.3
ENE	1.1	.1										1.2	2.4
E	1.7	.2										1.2	2.4
ESE	.3	.2										.6	3.0
SE	.3	.1										.4	2.8
SSE													
S	.3	.2										.6	3.2
SSW	.4	.9	.3									1.7	4.9
SW	.7	2.2	1.4	1.0								5.3	7.0
WSW	2.2	2.7	3.3	2.0								10.2	7.1
W	2.8	2.2	1.9	.4								7.2	5.1
WNW	1.1	.2										1.3	2.5
NW	.1											.1	3.0
NNW	.2		.1									.3	4.0
VARBL			.6	.4	.2							1.2	11.7
CALM												66.9	
	12.1	9.3	7.5	3.9	.2							100.0	1.9

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175143 STATION RAMSTEIN AB GERMANY 74-83 YEARS SEP MONTH
0300-0500 HOURS (LST)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.1										.4	2.0
NNE	.2											.2	3.0
NE	.3	.2										1.3	3.0
ENE	.4	.1										.5	2.4
E	1.1	.3										1.4	2.7
ESE	.7	.1										.6	2.7
SE	.1											.1	1.0
SSE													
S		.1	.3									.4	7.5
SSW	.3	.7	.4									1.4	5.1
SW	.9	1.9	1.1	.4								4.2	6.2
WSW	2.3	3.9	3.3	1.1								10.3	6.6
W	3.2	2.8	2.2	.6								8.8	5.3
WNW	.5											.6	1.6
NW	.2	.1										.3	2.7
NNW	.1											.1	2.0
VARBL			.7	.7	.1							1.4	11.6
CALM												67.7	
	12.9	12.3	8.1	2.8	.1							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 899

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.1										.3	2.7
NNE	.3											.3	1.3
NE	1.1	.2										1.3	2.5
ENE	1.4	.4										1.9	2.7
E	1.9	.8										2.7	2.8
ESE	.4	.1										.6	2.2
SE													
SSE													
S	.2	.1										.3	3.3
SSW	.6	.6	.3	.1								1.6	5.2
SW	.4	1.1	1.5	.8								3.9	7.8
WSW	1.6	3.1	5.4	1.1	.2							11.4	7.3
W	3.1	2.1	1.7	.2								6.4	4.3
WNW	1.2	.2	.1									1.6	2.7
NW	.3	.2										.6	3.2
NNW	.2											.2	1.0
VARBL			1.2	.6	.1							1.9	9.9
CALM												65.0	
	23.1	9.1	9.7	2.8	.3							100.7	1.9

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/440

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.2	.1									1.3	2.9
NNE	1.0	.7										1.7	2.9
NE	1.2	.6										1.8	3.0
ENE	2.4	2.0	.2									4.7	3.5
E	3.6	1.6	.4									5.6	3.2
ESE	.9	.3		.1								1.2	3.6
SE	.2											.2	2.5
SSE	.1	.1										.2	3.5
S	.4	.2	.2									.9	4.4
SSW	.4	.4	.5	.1								1.6	6.0
SW	1.0	2.1	2.0	1.7								6.8	7.6
WSW	1.9	4.2	6.3	2.7								15.0	7.7
W	4.3	4.0	4.8	.8	.1							14.0	5.7
WNW	1.1	.9	.3									2.3	4.3
NW													
NNW	.1											.1	1.0
VARBL		.2	3.4	.9	.1							4.7	9.4
CALM												33.0	
	19.6	17.6	18.4	6.2	.2							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-93
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8	.1									1.7	3.7
NNE	1.7	1.9										3.6	3.6
NE	1.4	1.7	.3									3.4	4.3
ENE	2.0	2.3	.9									5.1	4.2
E	2.3	3.2	1.1	.1								6.8	4.7
ESE	1.2	.6	.3	.2								2.3	4.8
SE	.2	.1										.3	3.0
SSE	.3	.1	.4									.9	5.1
S	1.2	1.2	.2									2.7	3.8
SSW	.4	1.9	1.1	.1								3.6	6.2
SW	1.3	2.9	3.9	2.1	.1							10.3	7.9
WSW	2.1	3.4	7.0	4.4	.9							17.9	8.8
W	3.3	4.2	8.0	2.0	.1							17.7	7.0
WNW	1.4	1.4	.4	.1								3.4	4.1
NW	.3	.8										1.1	4.0
NNW	.2	.5	.1									.9	4.3
VARBL		.2	7.0	2.6								9.8	9.4
CALM												8.6	
	20.4	27.3	30.9	11.7	1.1							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106140	RAMSTEIN AB GERMANY	74-83	SEP
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1800-1700
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.4										2.0	2.6
NNE	1.0	1.4	.2									2.7	4.0
NE	.9	1.8	.3									3.0	4.6
ENE	2.0	2.7	1.3									6.0	4.8
E	1.3	2.6	1.1	.1								5.1	5.2
ESE	.6	1.1	.4	.2								2.3	5.6
SE	.5	.4	.2	.1								1.3	5.1
SSE	1.1	.3										1.4	3.0
S	1.3	1.7	.3									3.3	4.0
SSW	1.7	2.0	1.6	.3								5.8	5.9
SW	1.1	2.3	3.7	1.4	.2							8.8	7.9
WSW	2.8	4.9	7.4	3.1	.4	.1						18.8	7.7
W	2.9	5.6	9.1	3.1								19.6	7.4
WNW	1.1	1.7	.9	.2								3.9	5.5
NW	.3	.7	.3									1.3	4.9
NNW	1.0	.4										1.4	2.7
VARBL		.3	5.6	2.4								9.3	9.4
CALM												3.7	
	21.1	30.3	32.9	11.1	.7	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175147
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.2										2.1	2.2
NNE	1.7	.4										1.4	2.6
NE	1.8	1.2										3.0	3.0
ENE	3.4	1.4	.3									5.2	3.2
E	3.4	1.9	.2									5.6	3.2
ESE	1.1	1.1	.3									2.6	4.0
SE	.6	.6										1.1	3.4
SSE	.4	.2										.7	2.8
S	1.6	1.0										2.6	3.2
SSW	2.2	2.1	.8	.1								5.2	4.4
SW	2.2	3.0	2.4	.2								7.9	5.6
WSW	2.6	4.9	5.4	1.3								14.2	6.4
W	3.9	4.7	4.4	1.8	.1							14.9	6.4
WNW	2.4	1.1	.9									4.4	3.7
NW	.8	.2										1.0	2.8
NNW	.3	.2										.6	3.2
VARBL			2.5	.9								3.4	9.1
CALM												24.1	
	29.7	24.3	17.4	4.3	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

SEP
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.1										.4	2.5
NNE	.5	.3										.7	3.0
NE	1.4	.3										1.6	2.4
ENE	1.4	.4										1.9	2.8
E	2.1	.7	.1									2.9	2.7
ESE	.4											.4	1.8
SE		.1										.1	4.0
SSE	.3											.3	2.0
S	.4	.7	.3									1.4	4.5
SSW	.2	1.3	.2	.2								2.0	5.7
SW	1.3	1.8	1.3	.9	.2							5.1	7.1
WSW	2.1	3.0	2.9	.6								8.6	5.6
W	2.9	2.2	2.7	.9								8.6	5.8
WNW	1.3	.2	.2									1.8	2.9
NW	.7											.7	1.3
NNW		.1										.1	4.0
VARBL			1.0	.7	.1							1.8	11.0
CALM												61.2	
	15.3	11.3	8.8	3.0	.3							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

176143
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.3	.3									1.1	2.7
NNE	.8	.6	.3									1.4	3.3
NNE	1.1	.8	.1									2.0	3.4
ENE	1.8	1.2	.3									3.3	3.7
E	2.1	1.4	.4	.0								3.9	3.7
ESE	.7	.4	.1	.1								1.3	4.1
SE	.3	.2	.3	.3								.5	3.8
SSE	.3	.1	.1									.4	3.4
S	.7	.7	.2									1.5	3.9
SSW	.8	1.2	.7	.1								2.8	5.4
SW	1.1	2.2	2.2	1.1	.1							6.5	7.2
WSW	2.1	3.8	5.2	2.0	.2	.3						13.3	7.3
W	3.3	3.5	4.1	1.2	.0							12.1	6.2
WNW	1.3	.7	.4	.3								2.4	3.9
NW	.3	.3	.3									.6	3.5
NNW	.3	.2	.3									.5	3.1
VARBL		.1	2.9	1.1	.1							4.2	9.7
CALM												41.9	
	17.8	17.5	16.7	5.7	.4	.3						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 7199

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175143 STATION RAMSTEIN AB GERMANY

74-83 YEARS

OCT MONTH

ALL WEATHER CLASS

0000-0200 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.1										.4	2.5
NNE	.5	.2										.3	2.4
NE	1.1	.9										1.9	2.8
ENE	2.7	1.7	.4									4.8	3.5
E	1.2	.9	.4									2.5	4.2
ESE	.8	.1										.9	2.4
SE	.2											.2	2.5
SSE	.1											.1	3.0
S	.3	.2										.5	3.6
SSW	.4	.8	.5	.5								2.4	7.2
SW	.3	.5	1.3	.2								2.4	7.6
WSW	1.7	4.0	4.1	2.4	.1							12.3	7.4
W	3.1	4.0	3.7	.6	.1							11.5	6.1
WNW	1.3	.2										1.5	2.3
NW	.8											.8	1.6
NNW	.2											.2	2.5
VARBL		.1	1.0	.2								1.3	8.5
CALM												55.5	
	15.1	13.7	11.5	4.0	.2							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

929

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140 STATION RAMSTEIN AB GERMANY 74-93 YEARS OCT MONTH
0300-0500 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2										.2	5.0
NNE	.6	.2										.9	2.5
NE	1.1	.5										1.6	2.8
ENE	3.3	1.7	.4									5.5	3.4
E	2.2	1.0	.2	.1								3.4	3.6
ESE	.4	.2										.6	3.7
SE	.2											.2	2.0
SSE	.1											.1	3.0
S	.3	.2										.5	3.4
SSW	1.0	.2	.1	.6								1.9	7.1
SW	.8	.5	1.4	1.0								3.7	8.1
WSW	1.5	3.8	5.2	1.7	.1							12.3	7.3
W	3.9	3.7	3.3	1.4								12.3	5.9
WNW	.3	.3										.6	3.3
NW	.3											.3	1.7
NNW	.3	.1										.4	2.3
VARBL			1.5	.3								1.9	9.2
CALM												53.4	
	16.3	12.7	12.3	5.2	.1							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

176140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.1										.5	2.8
NNE	1.1	.1										1.2	2.1
NE	1.7	.4										2.2	2.5
ENE	2.3	2.4	.3									4.9	3.7
E	2.9	.6	.2									3.8	2.9
ESE	.5	.2										.3	2.9
SE	.6											.6	2.0
SSE	.3		.1									.4	3.3
S	.3		.1									.4	3.5
SSW	.2	.5	.5	.2								1.6	7.6
SW	.6	1.6	1.7	1.7	.2							4.4	7.6
WSW	1.5	2.6	4.8	2.0	.1							11.1	7.7
W	3.7	3.3	3.7	1.5	.1							11.6	6.0
WNW	1.7	.4	.2									1.6	3.3
NW	.5											.5	1.4
NNW													
VARBL			1.9	1.7								2.8	9.8
CALM												51.5	
	17.7	12.4	12.3	5.7	.4							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106143
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0000-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.3										1.0	3.3
NNE	1.3											1.3	1.6
NE	1.0	1.8										3.8	3.1
ENE	2.7	2.8	.4									5.1	3.6
E	3.7	3.1	.2									6.3	3.6
ESE	1.4	.2	.1									1.7	2.4
SE	.3											.3	2.0
SSE	.4											.4	2.0
S	.4	.3	.1									.9	4.0
SSW	.6	1.1	.9	.2	.1							2.9	6.4
SW	1.2	1.7	1.5	1.1	.1							5.6	7.3
WSW	1.9	3.8	5.3	3.0	.1							14.0	8.0
W	4.5	3.9	3.5	1.0	.3	.1						13.3	5.9
WNW	1.1	.4	.2									1.7	3.5
NW	.1	.3										.4	4.6
NNW	.3											.3	2.0
VARBL			3.2	.8	.4							4.4	10.7
CALM												35.5	
	22.0	17.8	15.5	6.0	1.1	.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/440

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.4										2.2	2.3
NNE	1.3	.9	.1									2.7	2.9
NE	2.7	2.4										5.1	3.4
ENE	2.3	3.7	1.1									7.5	4.3
E	2.3	2.5	1.4	.1								6.3	5.0
ESE	.8	.6										1.4	3.4
SE	.4	.2										.6	3.2
SSE	.3											.3	1.7
S	.4	1.0	.1									1.5	4.5
SSW	.5	1.7	1.4	.2								4.0	6.3
SW	1.0	2.5	2.7	1.4	.3	.1						8.0	8.0
WSW	1.5	3.9	4.9	4.1	.2							14.7	8.2
W	3.7	4.8	5.1	2.6	.2							15.3	6.9
WNW	1.8	1.5	.4		.1							3.9	4.3
NW	.8	.8	.1									1.6	3.5
NNW	.2	.1	.1									1.1	3.1
VARBL		.1	4.7	2.0	.5	.1						6.3	10.5
CALM												16.0	
	23.5	27.0	21.4	10.4	1.4	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140
STATIONRAM TEIN AB GERMANY
STATION NAME74-83
YEARSOCT
MONTHALL WEATHER
CLASS1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0										2.8	2.8
NNE	1.6	1.4										3.0	3.1
NE	3.3	2.9	.4									5.7	3.8
ENE	2.5	3.1	1.9	.1								7.6	4.9
E	1.1	3.2	1.5	.1								6.0	5.6
ESE	.5	.2	.1									.9	3.1
SE	.7	.2										.4	3.3
SSE	.5	.5	.2									1.3	4.0
S	.6	1.0	.1									1.7	3.8
SSW	1.6	2.2	1.0									4.7	4.8
SW	1.3	1.8	4.3	1.5	.3							9.2	6.0
WSW	2.6	3.4	5.7	2.8	.3							15.8	7.7
W	2.7	5.1	4.4	3.4	.3							16.1	7.5
WNW	.9	1.5	.2		.1							2.7	4.8
NW	1.7	.4	.2									1.6	3.5
NNW	.7	.1										1.0	2.4
VARBL			4.7	.8	.3							5.4	9.7
CALM												12.0	
	23.3	28.1	25.5	8.7	1.4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140 STATION RAMSTEIN AB GERMANY 74-83 YEARS OCT MONTH
ALL WEATHER CLASS 1900-2000 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.1										.8	2.1
NNE	1.5	.1										1.6	2.1
NE	3.7	1.7										5.4	2.9
ENE	3.5	2.6	.3									6.5	3.5
E	2.5	2.2	1.7									5.7	4.2
ESE	1.5	.3										1.8	2.4
SE	.7											.3	2.0
SSE	.3	.2										.5	2.6
S	1.7	.6										2.4	2.5
SSW	1.1	1.8	.9	.1								3.9	5.3
SW	1.9	2.8	2.7	.9	.1							7.7	6.3
WSW	2.9	4.4	4.9	1.4	.1							13.5	6.7
W	2.7	3.2	3.2	1.4	.1							10.6	6.3
WNW	1.3	.5										1.8	2.8
NW	.5											.5	1.8
NNW	.3	.1										.4	2.3
VARBL			1.1	.4								1.5	9.5
CALM												34.9	
	25.5	22.8	13.3	4.2	.3							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

OCT
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4											.4	1.8
NNE	.2											.2	1.0
NE	1.4	.6										2.0	2.9
ENE	3.5	1.7	.2									5.6	3.3
E	1.3	1.1	.4									2.8	4.2
ESE	1.1	.1										1.2	2.1
SE	.3											.3	2.0
SSE	.4											.4	2.5
S	.2	.4										.6	4.0
SSW	.2	1.2	.5	.2								2.3	6.1
SW	.5	1.7	2.3	.4	.1							5.1	7.2
WSW	1.2	3.5	4.4	1.2								10.3	7.3
W	4.5	3.5	2.9	.9								11.7	5.2
WNW	2.7	.2										2.9	2.2
NW	.4											.4	2.0
NNW	.1											.1	3.0
VARBL			.9	.2								1.1	8.5
CALM												52.5	
	13.6	14.2	11.9	2.8	.1							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175143
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.3										1.0	2.6
NNE	1.1	.3	.7									1.5	2.5
NE	2.1	1.4	.1									3.6	3.2
ENE	2.9	2.5	.7	.0								6.1	3.8
E	2.1	1.8	.7	.0								4.6	4.3
ESE	.9	.3	.7									1.2	2.7
SE	.3	.1										.4	2.4
SSE	.3	.1	.7									.5	3.0
S	.6	.5	.1									1.1	3.6
SSW	.7	1.2	.8	.3	.0							3.0	6.1
SW	1.7	1.7	2.1	.9	.1	.0						5.8	7.5
WSW	1.8	3.7	5.7	2.3	.1	.0						13.0	7.6
W	3.6	3.9	3.6	1.6	.1	.0						12.9	6.3
WNW	1.3	.6	.1		.0							2.1	3.4
NW	.6	.2	.7									.8	2.8
NNW	.4	.1	.7									.4	2.6
VARBL		.0	2.2	.7	.2	.0						3.1	9.9
CALM												39.1	
	22.4	18.6	15.4	5.9	.6	.0						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 7439

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-93
YEARS

NOV
MONTH

ALL WEATHER
CLASS

3000-3200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.1										.3	2.7
NNE	.4	.3										.8	3.6
NE	1.3	.8										2.1	3.2
ENE	3.1	1.6	.6	.1								5.3	3.6
E	1.8	1.1	.6	.1								3.6	4.3
ESE	.4	.2										.7	3.0
SE	.3	.2										1.0	2.9
SSE	.4											.4	2.0
S	.4	.2										.7	3.3
SSW	.4	1.3	.6	.4	.1							2.6	7.4
SW	.4	1.4	2.3	1.3	.3	.3						6.2	9.4
WSW	2.3	4.4	6.2	3.6	1.1	.1						17.4	8.5
W	3.5	4.1	4.1	1.1	.2	.1	.1					13.3	6.5
WNW	2.0	.2	.1									2.3	2.6
NW	.4											.4	1.8
NNW	.1	.2										.3	3.7
VARBL			2.6	1.8	.3	.4	.1					5.2	12.3
CALM												37.2	
	19.0	16.0	17.0	8.4	2.1	1.0	.2					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/440

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0700-2500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2										.7	3.2
NNE	.3	.7										1.0	3.6
NE	.8	.4	.3									1.6	4.1
ENE	2.9	1.7	.9	.3								5.8	4.4
E	2.0	1.0	.1									3.1	3.3
ESE	.4	.1										.6	2.8
SE	.2											.2	1.5
SSE	.4	.1										.6	2.0
S	.2	.3	.2	.1								.9	5.9
SSW	.3	1.1	.8	.6								2.8	7.4
SW	1.5	1.9	2.3	1.1	.4	.1						7.4	7.9
WSW	2.2	4.4	4.9	3.3	1.2	.2						16.3	8.7
W	3.1	4.4	3.1	2.2	.6		.2					13.7	7.4
WNW	.7	.1										.8	2.3
NW	.3	.2										.6	3.0
NNW	.1											.1	2.0
VARBL			2.4	1.0	.3							3.8	11.1
CALM												40.2	
	16.1	16.8	15.1	8.7	2.6	.3	.2					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5											.6	2.2
NNE	1.1	.6										1.7	3.1
NE	1.4	.4	.3									2.2	3.7
ENE	1.3	2.3	1.1									4.8	4.7
E	1.6	.7	.9									3.1	4.3
ESE	.9	.1										.9	2.3
SE	.1		.1									.2	5.5
SSE	.3	.1										.4	2.8
S	.1	.5		.1								1.0	5.2
SSW	.8	.7	.9	.9								3.2	7.7
SW	1.7	2.7	2.1	1.1	.2	.3						7.4	8.2
WSW	1.7	4.3	5.4	2.7	.9	.1						15.1	8.4
W	3.1	3.6	3.6	2.1	.1	.4						12.9	7.6
WNW	1.3	.6		.1								2.0	3.3
NW	.2	.1										.3	2.0
NNW	.4	.2										.7	2.8
VARBL			2.1	1.1	.3							3.6	11.5
CALM												39.9	
	15.9	17.1	16.6	8.1	1.6	.9						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140
STATIONRAMSTEIN AB GERMANY
STATION NAME74-83
YEARSNOV
MONTHALL WEATHER
CLASS0900-1100
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.1										1.2	2.3
NNE	1.1	.4										1.6	2.7
NE	1.2	1.0	.1									2.3	3.4
ENE	2.6	1.9	1.8	.2								6.4	4.9
E	2.2	.7	.8									3.7	3.8
ESE	1.3	.1										1.4	2.2
SE	.4	.1										.6	2.0
SSE	.6	.2										.3	3.1
S	.6	.4	.2	.1								1.3	5.0
SSW	.8	.6	2.2	.4	.1							4.1	7.5
SW	.7	2.3	4.2	1.2	.2	.1						8.8	8.2
WSW	1.8	5.0	7.7	3.4	1.2	.4						19.9	8.8
W	2.9	3.1	2.5	1.1	.2	.2						10.1	6.6
WNW	.4	.2	.3									1.0	4.6
NW	.1	.1										.2	3.0
NNW	.4											.4	1.8
VARBL		.1	2.9	1.6	.3	.1						5.0	10.8
CALM												31.1	
	19.2	17.4	22.1	8.1	2.1	.9						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

135143
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-93
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.2										1.3	2.5
NNE	2.8	1.4										4.2	3.0
NE	1.6	1.4	.1									3.1	3.9
ENE	1.7	2.2	1.3	.6								5.8	5.5
E	1.6	1.0	1.2									3.6	4.7
ESE	.7	.1	.2									1.0	3.3
SE	.6	.2	.2									1.0	3.9
SSE	.4	.3										.8	3.0
S	.8	.3	.3									1.4	3.7
SSW	.9	1.2	2.3	1.6								5.6	8.2
SW	1.0	3.4	4.4	1.8	.1							10.8	7.7
WSW	1.2	4.4	9.1	4.2	1.0	.6	.2					19.8	9.6
W	1.9	4.0	5.3	2.0	.3	.1	.1					13.8	7.9
WNW	.9	.8	.3									1.9	3.9
NW	.6	.2	.1									.9	3.3
NNW	.3	.4	.1									.9	4.1
VARBL			5.6	2.2	.4	.2						8.4	10.6
CALM												15.6	
	17.7	21.9	29.4	12.3	1.9	.9	.3					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106143
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	.7										2.4	3.1
NNE	2.0	.8	.2									3.0	3.1
NE	2.6	2.8	.1									5.4	3.6
ENE	2.2	2.7	1.4	.4								6.8	5.4
E	1.2	1.6	1.4	.1								4.3	5.5
ESE	.8	.1	.1									1.0	3.2
SE	.2		.1									.3	3.3
SSE		.1										.1	4.0
S	.3	.7	.6									1.6	6.2
SSW	.8	1.9	1.3	1.2								5.2	7.1
SW	1.3	4.1	5.3	1.8	.2							12.8	7.7
WSW	2.3	4.9	8.2	3.0	.7	.2						19.3	8.1
W	2.2	4.3	4.1	3.6	.8							15.0	8.1
WNW	1.4	1.1	.4									3.0	4.0
NW	.6	.2	.1									.9	3.8
NNW	.2	.1										.3	2.7
VARBL		.1	4.9	1.6	.6	.1						7.1	10.5
CALM												11.3	
	20.0	26.1	28.3	11.7	2.2	.3						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATE DIV BRANCH
USAFETAC
AIR WEATHER SERVICE/44C

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175143 STATION RAMSTEIN AB GERMANY 74-83 YEARS NOV
STATION NAME MONTH
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.4										1.8	2.6
NNE	1.4	.2										1.7	2.2
NE	2.3	1.0	.2									3.6	3.1
ENE	3.3	2.4	.6	.3								6.7	4.2
E	1.6	1.2	.2	.1								3.1	4.1
ESE	.9	.2										1.0	2.9
SE	.1	.2										.3	3.7
SSE	.2	.2	.1									.6	4.4
S	1.1	.3	.3									1.8	3.7
SSW	.8	1.0	1.0	.6	.1							3.4	7.3
SW	2.0	3.2	3.4	1.3	.1	.1						10.2	7.1
WSW	2.9	5.1	5.2	3.2	.6	.1						17.1	7.7
W	2.4	3.9	1.8	1.4	.4	.1						10.1	6.9
WNW	.4	.8	.1	.1								1.4	4.7
NW	.3	.1										.4	3.0
NNW	.2	.4										.7	4.0
VARBL	.1	.2	4.1	1.3	.3	.1						6.2	10.0
CALM												29.9	
	21.4	21.1	17.1	8.4	1.6	.4						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/440

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140 STATION RAMSTEIN AB GERMANY 74-83 YEARS NOV NORTH
2100-2300 HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.6										1.3	2.9
NNE	.9	.9										1.8	3.2
NE	1.3	1.3										3.1	3.0
ENE	2.3	1.9	.4	.4								5.0	4.5
E	1.5	1.7	.5	.2								4.0	4.6
ESE	.6	.4										1.0	2.9
SE	.7											.7	1.8
SSE	.7	.3										.6	3.8
S	.4	.2	.3	.1								1.1	5.3
SSW	.7	1.1	1.7	.4	.2							3.1	8.3
SW	.3	2.6	3.0	1.7	.3	.3						8.2	9.0
WSW	1.9	5.0	5.2	3.6	.1	.3						15.8	7.7
W	3.0	3.1	3.7	1.4	.4	.1						11.6	7.0
WNW	.8	.6	.1									1.4	3.3
NW	.2	.1	.2									.6	4.6
NNW	.3	.1										.4	2.8
VARBL	.1	.1	2.3	2.1	.2	.4						5.3	12.0
CALM												34.8	
	15.2	19.9	15.9	10.0	1.3	.9						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106140 RAMSTEIN AB GERMANY

74-83

NOV
MONTH

ALL WEATHER

CLASS

ALL

HOURLY (L & T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.3										1.2	2.7
NNE	1.3	.7	.7									2.0	3.0
NE	1.6	1.2	.2									2.9	3.5
ENE	2.4	2.1	1.7	.3								5.8	4.7
E	1.7	1.1	.7	.1								3.6	4.4
ESE	.7	.2	.0									.9	2.8
SE	.4	.1	.1									.5	3.0
SSE	.3	.2	.0									.5	3.1
S	.5	.4	.2	.1								1.2	4.8
SSW	.6	1.1	1.2	.8	.1							3.7	7.6
SW	1.3	2.7	3.4	1.4	.2	.2						9.0	8.1
WSW	2.0	4.8	5.3	3.4	.8	.2	.0					17.6	8.5
W	2.8	3.8	3.5	1.9	.4	.1	.1					12.6	7.3
WNW	1.0	.5	.2	.0								1.7	3.6
NW	.3	.1	.1									.5	3.2
NNW	.3	.2	.0									.5	3.2
VARBL	.7	.1	3.3	1.6	.4	.2	.0					5.6	11.0
CALM												30.0	
	17.9	19.5	20.3	9.5	1.9	.7	.1					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

7200

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

125147 RAMSTEIN AB GERMANY
STATION

74-93

DEC

ALL WEATHER

0000-2200

CLASS

HOURS (LST)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2										.4	4.0
NNE	.5	.5										1.2	3.2
NE	1.5	.8	.1									1.8	3.7
ENE	1.5	2.9	1.2	.1								6.1	4.7
E	1.6	1.3	1.3	.1								3.7	4.7
ESE	1.4	.1	.1									1.2	2.6
SE	.2											.2	2.0
SSE	.2	.1	.1									.4	4.0
S	.1		.1	.2	.2							.6	12.7
SSW	.3	.9	1.7	.4	.3							2.9	8.9
SW	.7	1.4	2.5	2.7	.4	.1						5.0	9.7
WSW	1.9	3.8	7.6	4.6	.9	.2						18.9	8.8
W	2.5	3.3	4.1	3.3	.3							13.5	7.9
WNW	.7	.2	.3	.1								1.5	4.3
NW	.3	.2										.5	3.0
NNW	.4	.1										.5	2.0
VARBL		.1	1.4	1.1	.6							3.2	12.7
CALM												35.4	
	13.2	15.6	19.5	12.7	2.7	.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175140 STATION RAMSTEIN AB GERMANY 74-83 YEARS DEC
NORTH
ALL WEATHER
CLIM
0300-0500
HOURS (LST)
CONDITION

SPEED ANTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.1	.1									.6	3.2
NNE	.3	.2										.5	3.2
NE	1.1	1.1	.1									2.3	3.7
ENE	2.2	2.5	1.4	.2								6.2	4.9
E	2.4	2.2	.9									5.4	4.4
ESE	1.1	.3										1.4	2.8
SE	.5											.5	2.5
SSE	.7	.1										.3	3.3
S	.2	.3	.1		.1							.8	6.6
SSW	.4	.3	1.7	.6	.1							2.9	8.4
SW	.5	1.9	2.2	1.9	.5	.3						7.6	9.9
WSW	2.3	3.9	7.7	4.7	.9	.3						18.3	8.9
W	1.4	4.2	4.5	2.9	.3	.2						13.7	8.2
WNW	1.3	.8	.4									2.5	3.8
NW	.4	.3										.8	3.6
NNW	.1	.2										.3	4.3
VARBL			1.5	.9	.9	.2						3.5	13.3
CALM												32.3	
	15.1	13.8	19.4	10.5	2.9	1.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/44C

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175147 STATION NAME RAMSTEIN AB GERMANY 74-83 YEARS DEC MONTH 0600-1800 HOURS (LST) ALL WEATHER CLIM CONDITION

WIND DIRECTION D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.2	.1									1.1	3.3
NNE	.3	.2										.5	2.6
NE	.0	.4	.4									.5	4.2
ENE	2.5	3.5	1.7									7.1	4.3
E	1.5	2.2	.3									4.1	3.9
ESE	.3	.4										.8	3.4
SE	.7	.2										.5	3.8
SSE	.2	.1	.1									.4	4.5
S		.2	.2									.4	6.8
SSW	.5	.3	.9	.5	.3							3.0	6.8
SW	.5	2.3	3.4	1.5	.9		.1					9.7	9.2
WSW	1.3	3.4	7.3	3.2	1.3	.3						16.9	9.4
W	3.1	4.3	4.3	3.0	.4	.1						14.9	7.5
WNW	.6	.6	.1									1.4	3.7
NW	.2	.1										.3	3.3
NNW	.7	.3	.1									.3	4.4
VARBL			1.4	1.9	1.3	.2						5.3	13.9
CALM												31.7	
	13.7	19.7	19.9	10.2	4.2	.5	.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 933

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

105140 STATION RAMSTEIN AB GERMANY 74-83 YEARS DEC
STATION NAME NORTH
ALL WEATHER CLASS 0900-1100
CONDITION HOURS (LST)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.3										1.2	2.9
NNE	.4	.5	.1									1.1	3.9
NE	1.0	1.2										2.2	3.6
ENE	2.3	2.7	1.7									5.7	4.8
E	1.9	2.4	.9	.1								5.3	4.5
ESE	.6	.2										.9	2.6
SE	.4	.2										.6	3.2
SSE	.2	.1										.3	3.0
S	.1	.2	.5	.1								1.0	7.6
SSW	.5	1.0	.9	.6								3.0	7.6
SW	1.3	2.6	2.7	2.5	1.0	.1	.2					10.3	9.7
WSW	1.4	5.6	7.5	4.5	.9	.3	.1					21.5	9.0
W	2.5	4.6	3.1	2.8	.5	.1						13.8	7.7
WNW	.4	.4										.9	3.3
NW	.2	.1										.3	3.3
NNW	.2											.2	2.0
VARBL		.1	1.9	1.6	.4	.1						4.2	11.7
CALM												26.9	
	14.2	23.2	19.5	12.4	2.9	.5	.3					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17-147 STATION NAME RAMSTEIN AB GERMANY 74-93 YEARS DEC MONTH
ALL WEATHER CLASS 1200-1400 HOURS (LST)
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.2	.1									1.1	3.3
NNE	.0											.9	1.8
NE	1.7	1.4										3.1	3.4
ENE	1.1	3.8	2.6	.1								7.5	5.7
E	1.3	1.5	2.3	.6								5.2	6.1
ESE	.5	.3										.9	2.6
SE	.7	.1	.1	.1								.6	5.0
SSE	.7											.3	1.0
S	.5	.5	.5	.3								2.0	6.1
SSW	.7	1.1	.9	1.0	.2							3.2	8.9
SW	1.3	1.5	3.5	2.9	.1		.2					9.6	9.0
WSW	1.6	4.4	9.5	5.8	1.9	.1	.1					22.5	9.7
W	2.2	5.5	4.9	3.4	.3	.1						16.5	7.8
WNW	.4	.2										.6	3.3
NW	.3	.2										.5	3.4
NNW	.4	.2										.6	3.5
VARBL			3.4	2.4	1.2	.2						7.2	12.3
CALM												16.5	
	14.5	21.1	26.8	15.6	3.8	.1	.3					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1										2.5	3.1
NNE	1.3	.5	.1									1.9	3.2
NE	2.4	1.8	.3									4.5	3.6
ENE	3.2	5.2	1.9	.1								10.4	4.8
E	1.0	2.0	1.5	.2								4.6	5.6
ESE	.2	.2										.4	3.8
SE	.2											.2	1.5
SSE	.2	.1										.3	3.0
S	.4	.4		.3								1.2	6.4
SSW	1.1	1.6	.2	1.3								4.2	7.2
SW	1.7	2.3	3.1	2.6	.3	.1	.1					10.2	8.4
WSW	1.9	5.5	7.7	5.8	.9	.2						22.0	9.0
W	1.9	2.8	5.6	4.0	.6	.1						15.1	8.9
WNW	1.2	.4	.1									1.7	3.2
NW	.3	.6										1.0	4.0
NNW	.1	.1										.2	3.5
VARBL			3.0	1.4	.6	.4						5.5	12.3
CALM												13.8	
	19.6	24.7	23.9	15.7	2.5	.9	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATELOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

105140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2										.5	2.6
NNE	1.3	.4										1.7	2.9
NE	2.2	1.7	.1									4.0	3.4
ENE	3.2	3.5	1.4									7.6	4.3
E	1.4	2.5	.8									4.6	4.5
ESE	.5	.1										.6	2.8
SE	.1											.1	2.0
SSE				.1								.1	13.0
S	.2	.2	.3	.4								1.2	8.9
SSW	1.2	.9	1.3	1.3	.1							4.7	7.8
SW	1.1	1.1	2.6	1.7	.2							6.7	8.7
WSW	1.7	4.7	8.2	4.4	1.0	.2						20.2	8.7
W	3.0	3.2	4.0	2.4	.8							13.3	7.7
WNW	.6	.2	.2	.1								1.2	4.2
NW	.5	.1										.6	2.5
NNW	.1		.1									.2	5.0
VARBL		.1	2.5	1.6	.3	.1	.1					4.7	11.4
CALM												27.7	
	17.5	19.5	21.4	12.0	2.4	.3	.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

DEC
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3											.3	2.0
NNE	.8	.9										1.6	3.2
NE	1.2	1.7	.1									2.3	3.6
ENE	2.2	2.6	.9									5.5	4.4
E	1.3	1.8	.5									4.2	4.0
ESE	.6	.3		.1								1.1	3.6
SE	.2	.2										.4	3.3
SSE	.2											.2	2.5
S	.2		.4	.2	.3	.1						1.3	12.6
SSW	.2	.5	.8	.2	.1							1.9	8.4
SW	1.2	2.0	2.9	2.2	.3							8.6	8.2
WSW	1.6	4.0	9.7	4.6	.9	.1						20.2	9.0
W	2.6	2.9	3.7	2.4	.4							11.3	7.7
WNW	.9	.5	.3									1.7	3.8
NW	.1	.1										.2	4.0
NNW	.1	.3	.1									.5	5.0
VARBL			2.5	2.2	.4	.1						5.2	12.0
CALM												33.4	
	14.2	17.3	27.4	11.8	2.5	.3						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106140
STATIONRAMSTEIN AB GERMANY
STATION NAME74-83
YEARSDEC
MONTHALL WEATHER
CLASSALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.3	.3									.9	3.1
NNE	.7	.4	.3									1.2	3.0
NE	1.4	1.2	.1									2.8	3.6
ENE	2.3	3.3	1.5	.1								7.2	4.8
E	1.7	1.9	1.0	.1								4.8	4.8
ESE	.6	.3	.3	.0								.9	3.0
SE	.3	.1	.3	.3								.4	3.3
SSE	.2	.1	.3	.0								.3	3.6
S	.2	.2	.3	.2	.1	.3						1.1	8.3
SSW	.6	.9	.5	.8	.1							3.2	8.2
SW	1.1	1.9	2.9	2.2	.5	.1	.1					8.7	9.1
WSW	1.7	4.5	7.9	4.6	1.3	.2	.0					20.1	9.1
W	2.4	3.9	4.2	3.0	.5	.1						14.0	7.9
WNW	.8	.4	.2	.0								1.4	3.7
NW	.3	.2										.5	3.4
NNW	.2	.2	.3									.4	3.8
VARBL		.0	2.3	1.6	.7	.2	.0					4.9	12.4
CALM												27.2	
	15.2	19.9	21.3	12.7	3.0	.5	.1					102.2	5.6

TOTAL NUMBER OF OBSERVATIONS

7480

2

GLOBAL CLIMATOLOGY BRANCH
JSAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106140
STATIONRAMSTEIN AB GERMANY
STATION NAME74-83
YEARSALL
MONTH

ALL WEATHER

CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.7	.1	.0								1.8	3.4
NNE	1.2	.9	.1									2.2	3.4
NE	1.7	1.7	.3	.0								3.7	3.9
ENE	2.1	2.7	1.2	.2	.0							6.3	4.9
E	1.8	1.4	.9	.2	.0							4.2	4.8
ESE	.5	.3	.1	.0	.0							1.0	3.6
SE	.3	.1	.0	.0								.4	3.2
SSE	.3	.1	.1	.0	.0							.5	3.7
S	.5	.4	.2	.0	.0	.0						1.1	4.5
SSW	.7	1.0	.7	.3	.0	.0						2.6	6.1
SW	.9	2.0	2.2	1.2	.2	.1	.0					6.6	7.9
WSW	1.9	3.8	5.0	2.7	.4	.1	.0					13.9	8.0
W	2.9	3.7	3.7	1.7	.2	.0	.0					12.2	6.8
WNW	1.1	.8	.3	.1	.0							2.2	4.1
NW	.4	.3	.1	.0	.0							.8	3.6
NNW	.4	.3	.0	.0								.8	3.6
VARBL	.0	.1	3.8	1.4	.2	.0	.0					5.6	10.0
CALM												34.3	
	17.8	20.1	18.5	7.9	1.1	.2	.0					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

87633

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

136140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83
YEARS

ALL
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1000 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL
HOURS (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.3	.0									1.0	3.0
NNE	1.1	.6	.0									1.7	3.0
NE	2.1	1.9	.2									4.1	3.5
ENE	3.3	3.2	1.0	.1	.0							7.7	4.3
E	2.0	1.7	.4	.1								4.1	4.0
ESE	.6	.2	.0									.9	2.7
SE	.3	.1	.0	.0								.4	3.2
SSE	.2	.1	.0	.0								.3	3.2
S	.3	.1	.1	.0	.0	.0						.6	6.1
SSW	.5	.4	.4	.3	.1							1.7	7.0
SW	.9	1.8	2.5	1.3	.1	.0						6.8	7.9
WSW	1.9	4.4	6.1	3.8	.4	.1						16.6	8.2
W	3.0	3.5	3.2	1.1	.7	.0						11.0	6.2
WNW	.8	.3	.1	.0								1.3	3.4
NW	.3	.1	.0									.3	2.7
NNW	.2	.0	.0									.3	2.9
VARBL	.0	.0	1.4	.7	.2	.1						2.3	10.8
CALM												38.9	
	19.4	15.6	15.5	7.5	.9	.2						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 15618

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the >10 mi visibility category should be used with great caution.

(Continued on Reverse Side)

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JAN HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	40	40	40	32	24	20	16	12	10	8	5	4
NO CEIL	12.4	14.0	15.2	16.4	16.5	17.9	19.3	19.9	21.4	22.7	22.3	23.1	23.4	24.1	24.5	
GE 20000	13.1	15.2	16.7	17.6	17.7	19.3	20.7	21.4	23.0	23.7	24.0	24.8	25.1	25.9	26.2	
GE 18000	13.1	15.2	16.7	17.6	17.7	19.3	20.7	21.4	23.0	23.7	24.0	24.8	25.1	25.9	26.2	
GE 16000	13.1	15.2	16.7	17.6	17.7	19.3	20.7	21.4	23.0	23.7	24.0	24.8	25.1	25.9	26.2	
GE 14000	13.1	15.2	16.7	17.6	17.7	19.3	20.7	21.4	23.0	23.7	24.0	24.8	25.1	25.9	26.2	
GE 12000	13.1	15.2	16.7	17.6	17.7	19.3	20.7	21.4	23.0	23.7	24.0	24.8	25.1	25.9	26.2	
GE 10000	14.0	16.1	17.6	18.4	18.5	20.2	21.7	22.4	24.0	24.4	25.1	25.9	26.2	26.9	27.3	
GE 9000	14.4	16.6	18.1	19.0	19.1	20.7	22.2	23.0	24.6	25.3	25.6	26.4	26.7	27.5	27.8	
GE 8000	15.4	17.9	19.4	20.3	20.4	22.0	23.5	24.2	25.9	26.6	26.9	27.7	28.0	28.8	29.1	
GE 7000	16.3	18.9	20.4	21.2	21.3	23.0	24.5	25.2	26.8	27.6	27.9	28.7	29.0	29.7	30.1	
GE 6000	16.4	19.1	20.6	21.4	21.6	23.2	24.7	25.4	27.0	27.8	28.1	28.9	29.2	30.0	30.3	
GE 5000	17.7	20.4	21.9	22.8	23.0	24.6	26.1	26.8	28.4	29.2	29.5	30.3	30.6	31.4	31.7	
GE 4500	20.6	23.4	25.1	26.2	26.5	28.2	29.7	30.7	32.7	33.4	33.7	34.4	34.9	35.7	36.0	
GE 4000	23.2	26.0	27.9	29.0	29.3	31.0	32.5	33.5	35.6	36.3	36.7	37.6	37.9	38.7	39.1	
GE 3500	25.4	28.3	30.4	31.5	31.8	33.6	35.1	36.1	38.1	38.9	39.3	40.2	40.5	41.3	41.7	
GE 3000	31.7	35.3	38.0	39.5	39.9	41.7	43.3	44.6	46.9	47.6	48.1	48.9	49.2	50.0	50.4	
GE 2500	34.3	38.4	41.4	43.0	43.3	45.2	47.1	48.4	50.8	51.5	51.9	52.8	53.1	53.9	54.3	
GE 2000	38.6	43.0	46.6	48.3	48.6	50.5	53.0	54.7	57.1	57.9	58.3	59.3	59.6	60.3	60.8	
GE 1800	40.4	44.8	48.5	50.2	50.5	52.6	55.1	56.8	59.2	59.9	60.3	61.3	61.6	62.4	62.8	
GE 1600	47.8	52.4	56.8	58.5	58.8	60.9	63.7	65.4	67.9	68.6	69.1	70.0	70.4	71.1	71.6	
GE 1400	50.9	56.4	61.0	63.0	63.4	65.7	68.6	70.4	73.0	73.7	74.1	75.1	75.4	76.2	76.6	
GE 1000	53.1	59.5	65.1	67.7	68.1	70.5	73.7	75.4	78.2	79.0	79.4	80.4	80.7	81.5	81.9	
GE 900	54.2	61.0	66.1	70.7	71.2	73.6	77.2	78.9	82.2	83.1	83.5	84.5	84.8	85.6	86.0	
GE 800	54.6	61.6	69.4	72.0	72.7	75.6	79.6	81.6	84.9	85.8	86.2	87.2	87.5	88.3	88.7	
GE 700	54.6	61.9	70.4	73.4	74.1	77.2	81.5	83.4	87.3	88.3	88.8	90.0	90.3	91.1	91.5	
GE 600	54.6	61.9	71.0	74.0	74.8	77.9	82.3	84.3	89.2	90.2	90.7	91.9	92.2	93.0	93.4	
GE 500	54.6	62.0	71.1	74.5	75.4	78.8	83.4	85.3	91.2	92.2	92.8	94.0	94.3	95.0	95.5	
GE 400	54.6	62.0	71.1	74.5	75.5	78.9	83.7	85.8	92.2	93.3	94.0	95.2	95.5	96.2	96.7	
GE 300	54.6	62.0	71.1	74.5	75.5	79.1	84.3	86.3	93.6	94.7	95.5	96.7	97.0	97.7	98.2	
GE 200	54.6	62.0	71.1	74.5	75.5	79.1	84.3	86.4	93.8	94.8	95.6	96.8	97.7	98.9	99.6	
GE 100	54.6	62.0	71.1	74.5	75.5	79.1	84.3	86.4	93.8	94.8	95.6	96.9	98.1	99.4	100.0	
GE 0	54.6	62.0	71.1	74.5	75.5	79.1	84.3	86.4	93.8	94.8	95.6	96.9	98.1	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: JAN HOURS(IST): 0300-0500

CEILING IN FEET	GT 160	GE 90	GE 80	GF 60	GE 48	GE 40	GE 32	GF 24	SL 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		10.5	12.0	13.7	14.7	14.8	16.4	18.4	19.0	20.3	20.9	21.1	21.6	21.8	22.3	22.7
GE 20000		11.2	13.6	15.1	16.1	16.2	17.8	19.9	20.7	22.0	22.6	22.8	23.3	23.5	24.0	24.5
GE 18000		11.2	13.0	15.1	16.1	16.2	17.8	19.9	20.7	22.0	22.6	22.8	23.3	23.5	24.0	24.5
GE 16000		11.2	13.0	15.1	16.1	16.2	17.8	19.9	20.7	22.0	22.6	22.8	23.3	23.5	24.0	24.5
GE 14000		11.2	13.0	15.1	16.1	16.2	17.8	19.9	20.7	22.0	22.6	22.8	23.3	23.5	24.0	24.5
GE 12000		11.3	13.3	15.3	16.3	16.4	18.0	20.2	20.9	22.2	22.8	23.1	23.5	23.7	24.2	24.7
GE 10000		11.7	13.7	15.7	16.7	16.8	18.4	20.6	21.3	22.7	23.4	23.6	24.0	24.2	24.8	25.2
GF 9000		11.7	13.7	15.7	16.7	16.8	18.4	20.6	21.3	22.7	23.4	23.6	24.0	24.2	24.8	25.2
GE 8000		13.0	15.1	17.2	18.2	18.3	20.2	22.3	23.1	24.6	25.2	25.4	25.9	26.1	26.6	27.0
GE 7000		13.5	15.5	17.7	18.9	19.0	20.8	23.0	23.7	25.2	25.9	26.1	26.5	26.7	27.3	27.7
GE 6000		13.5	15.6	17.8	19.0	19.1	20.9	23.1	23.8	25.3	26.0	26.2	26.6	26.8	27.4	27.8
GE 5000		14.9	17.1	19.4	20.7	20.8	22.6	24.8	25.5	27.0	27.7	27.9	28.3	28.6	29.1	29.5
GE 4000		17.9	20.2	22.5	23.9	24.4	26.3	28.6	29.6	31.1	31.8	32.0	32.4	32.7	33.2	33.6
GE 3000		21.2	23.5	26.2	27.6	28.0	30.0	32.2	33.4	35.0	35.7	35.9	36.3	36.5	37.1	37.5
GE 2500		22.5	25.1	27.8	29.2	29.6	31.7	34.1	35.2	37.1	37.7	37.9	38.4	38.6	39.1	39.5
GE 2000		28.4	31.5	34.6	36.1	36.5	38.7	41.1	42.2	44.2	44.8	45.0	45.5	45.7	46.2	46.7
GE 1800		32.2	35.6	38.9	40.4	41.8	43.0	45.6	46.8	48.7	49.4	49.6	50.0	50.2	50.9	51.3
GE 1600		36.5	40.3	44.5	46.0	46.4	48.8	51.5	53.2	55.4	56.3	56.5	57.0	57.2	57.9	58.3
GE 1400		37.6	41.7	45.9	47.4	47.8	50.2	52.9	54.6	56.8	57.7	57.9	58.4	58.6	59.3	59.7
GE 1200		46.2	51.2	55.7	57.3	57.8	60.2	63.7	65.5	67.7	68.5	68.8	69.3	69.5	70.2	70.6
GE 1000		49.5	54.6	59.9	61.9	62.3	65.1	69.0	70.9	73.2	74.0	74.2	74.8	75.0	75.6	76.1
GE 900		52.0	57.9	63.5	66.3	66.7	69.6	73.7	75.6	77.9	78.8	79.0	79.5	79.7	80.4	80.8
GE 800		52.8	59.4	65.9	68.9	69.3	72.3	76.7	78.7	81.1	82.0	82.2	82.8	83.0	83.6	84.1
GE 700		53.2	60.1	67.1	70.0	70.5	73.9	79.0	81.3	83.8	84.7	84.9	85.5	85.7	86.3	86.7
GF 600		53.7	60.8	68.5	71.7	72.1	75.6	81.0	83.3	86.5	87.4	87.6	88.3	88.5	89.1	89.5
GE 500		53.7	60.8	69.5	72.6	73.1	77.3	82.8	85.0	89.1	90.0	90.2	90.8	91.1	91.7	92.1
GE 400		53.7	60.8	69.7	73.0	73.4	77.9	83.9	86.2	90.9	91.8	92.0	92.7	92.9	93.5	94.0
GE 300		53.7	60.8	69.7	73.0	73.7	78.2	84.6	86.9	92.3	93.2	93.9	94.8	95.0	95.7	96.1
GE 200		53.7	60.8	69.7	73.0	73.7	78.2	84.9	87.2	93.4	94.3	94.9	95.9	96.1	96.8	97.2
GE 100		53.7	60.8	69.7	73.0	73.7	78.2	84.9	87.2	94.0	94.8	95.5	96.4	97.1	98.5	99.4
GE 0		53.7	60.8	69.7	73.0	73.7	78.2	84.9	87.2	94.0	94.8	95.5	96.4	97.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 948

GLOBAL CLIMATOLOGY BRANCH
USAF/CLTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JAN HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3
NO CEIL		9.6	10.5	12.0	13.3	13.4	14.7	17.2	18.0	18.6	19.0	19.0	19.2	19.2	19.4	19.5
GE 20000		11.0	11.9	13.9	15.2	15.3	16.6	19.2	20.2	20.9	21.4	21.4	21.6	21.6	21.8	21.9
GE 18000		11.0	11.9	13.9	15.2	15.3	16.6	19.2	20.2	20.9	21.4	21.4	21.6	21.6	21.8	21.9
GE 16000		11.0	11.9	13.9	15.2	15.3	16.6	19.2	20.2	20.9	21.4	21.4	21.6	21.6	21.8	21.9
GE 14000		11.1	12.0	14.0	15.3	15.4	16.7	19.3	20.3	21.0	21.5	21.5	21.7	21.7	21.9	22.0
GE 12000		11.1	12.1	14.2	15.5	15.6	16.9	19.5	20.5	21.3	21.7	21.7	21.9	21.9	22.1	22.2
GE 10000		11.5	12.6	14.8	16.1	16.2	17.5	20.1	21.0	21.8	22.2	22.2	22.4	22.4	22.7	22.8
GE 9000		11.9	12.9	15.2	16.5	16.6	17.9	20.5	21.5	22.2	22.7	22.7	22.9	22.9	23.1	23.2
GE 8000		12.3	13.6	15.9	17.2	17.3	18.6	21.1	22.2	23.0	23.4	23.4	23.6	23.6	23.8	23.9
GE 7000		12.6	13.9	16.2	17.5	17.6	18.9	21.5	22.5	23.4	23.8	23.8	24.1	24.1	24.3	24.4
GE 6000		12.7	14.0	16.3	17.6	17.7	19.0	21.7	22.8	23.6	24.1	24.1	24.3	24.3	24.5	24.6
GE 5000		14.0	15.3	17.6	18.9	19.0	20.3	23.0	24.1	25.0	25.5	25.5	25.7	25.7	25.9	26.0
GE 4500		16.6	18.0	20.5	21.8	22.1	23.4	26.2	27.4	28.5	28.9	28.9	29.1	29.1	29.3	29.4
GE 4000		18.6	20.0	22.5	23.8	24.2	25.7	28.5	29.7	30.7	31.2	31.2	31.5	31.5	31.7	31.8
GE 3500		20.5	22.0	24.4	26.1	26.4	28.4	31.3	32.7	33.8	34.2	34.2	34.5	34.5	34.7	34.8
GE 3000		25.0	26.6	30.3	31.7	32.1	34.4	37.5	39.1	40.2	40.7	40.7	41.0	41.0	41.2	41.3
GE 2500		28.2	30.0	33.7	35.1	35.5	38.0	41.1	42.6	43.8	44.2	44.2	44.6	44.6	44.8	44.9
GE 2000		34.1	36.1	40.8	42.6	43.0	45.8	49.0	50.7	51.9	52.4	52.5	52.9	52.9	53.1	53.2
GE 1800		35.7	37.8	42.7	44.6	45.0	47.8	50.9	52.6	53.8	54.4	54.5	54.8	54.8	55.0	55.1
GE 1500		43.5	46.0	51.7	53.9	54.6	57.5	60.9	62.7	63.9	64.4	64.5	64.8	64.8	65.0	65.2
GE 1200		47.7	50.6	57.6	60.0	60.6	63.8	67.5	69.4	70.7	71.2	71.3	71.6	71.6	71.8	72.1
GE 1000		50.4	54.2	62.0	65.4	66.0	69.3	73.4	75.2	76.5	77.0	77.1	77.5	77.5	77.7	77.9
GE 900		51.2	56.2	65.2	68.6	69.3	72.6	76.8	78.6	79.9	80.5	80.6	80.9	80.9	81.1	81.3
GE 800		52.5	58.3	67.7	71.3	72.0	75.7	80.2	82.0	83.3	83.8	83.9	84.3	84.3	84.5	84.7
GE 700		53.1	58.9	68.6	72.6	73.4	77.7	82.3	84.3	86.2	86.8	86.9	87.3	87.3	87.5	87.7
GE 600		53.1	58.9	69.1	73.5	74.2	79.2	84.1	86.1	88.5	89.1	89.2	89.5	89.5	89.8	90.0
GE 500		53.1	58.9	69.9	74.2	75.0	80.2	85.9	87.8	90.4	91.0	91.2	91.5	91.5	91.7	91.9
GE 400		53.3	59.1	70.1	74.4	75.2	80.5	86.7	88.7	91.8	92.8	92.9	93.2	93.2	93.4	93.7
GE 300		53.3	59.1	70.1	74.5	75.3	80.6	87.3	89.3	94.2	95.3	95.4	95.8	95.8	96.0	96.3
GE 200		53.3	59.1	70.1	74.5	75.3	80.6	87.3	89.3	94.5	95.6	96.0	96.4	96.4	96.8	96.9
GE 100		53.3	59.1	70.1	74.5	75.3	80.6	87.3	89.3	94.6	95.7	96.1	96.5	96.5	96.9	97.0
GE 0		53.3	59.1	70.1	74.5	75.3	80.6	87.3	89.3	94.6	95.7	96.1	96.5	96.5	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JAN HOURS(IST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3
NO CEIL		8.0	8.6	9.7	11.2	11.2	12.5	13.0	13.8	15.3	15.6	15.6	15.7	16.3	16.4	16.4	
GE 20000		10.1	11.0	12.1	13.7	13.7	15.0	15.5	16.3	18.2	18.6	18.6	18.8	19.4	19.6	19.9	
GE 18000		10.1	11.0	12.1	13.7	13.7	15.0	15.5	16.3	18.2	18.6	18.6	18.8	19.4	19.6	19.9	
GE 16000		10.1	11.0	12.1	13.7	13.7	15.0	15.5	16.3	18.2	18.6	18.6	18.8	19.4	19.6	19.9	
GE 14000		10.1	11.0	12.1	13.7	13.7	15.0	15.5	16.3	18.2	18.6	18.6	18.8	19.4	19.6	19.9	
GE 12000		10.1	11.0	12.1	13.7	13.7	15.0	15.5	16.3	18.2	18.6	18.6	18.8	19.4	19.6	19.9	
GE 10000		10.5	11.4	12.7	14.3	14.3	15.6	16.2	16.9	18.9	19.3	19.3	19.4	20.0	20.3	20.6	
GE 9000		10.7	11.6	12.9	14.5	14.5	15.8	16.4	17.1	19.1	19.5	19.5	19.6	20.3	20.5	20.8	
GE 8000		12.0	13.1	14.8	16.6	16.6	18.0	18.8	19.5	21.6	22.0	22.0	22.1	22.7	23.0	23.3	
GE 7000		12.7	14.0	15.7	17.7	17.7	19.1	19.9	20.8	22.8	23.4	23.4	23.5	24.1	24.4	24.7	
GE 6000		12.7	14.0	15.7	17.7	17.7	19.1	19.9	20.8	22.8	23.5	23.5	23.6	24.2	24.5	24.8	
GE 5000		13.9	15.2	16.9	18.9	19.1	20.5	21.3	22.2	24.5	25.0	25.0	25.1	25.8	26.0	26.3	
GE 4500		17.0	18.8	20.7	22.6	22.8	24.4	25.2	26.1	28.3	28.9	28.9	29.0	29.6	29.8	30.2	
GE 4000		17.6	19.5	21.8	24.0	24.2	25.8	26.7	27.6	29.8	30.4	30.4	30.5	31.1	31.5	31.8	
GE 3500		19.9	22.2	24.7	27.0	27.3	29.0	30.1	30.9	33.2	33.7	33.7	33.8	34.5	34.8	35.1	
GE 3000		23.8	26.3	30.3	33.0	33.2	35.2	36.3	37.2	39.4	40.0	40.0	40.1	40.7	41.1	41.4	
GE 2500		27.2	30.0	34.6	37.5	37.7	39.9	40.9	41.8	44.1	44.6	44.6	44.7	45.4	45.7	46.0	
GE 2000		31.4	34.7	39.7	43.1	43.3	45.8	47.0	48.0	50.2	50.9	50.9	51.0	51.6	51.9	52.3	
GE 1800		33.1	36.4	41.4	45.2	45.4	47.8	49.0	50.0	52.3	52.9	52.9	53.0	53.7	54.0	54.3	
GE 1500		39.0	42.7	48.9	53.7	53.9	56.7	57.9	58.8	61.6	62.3	62.3	62.5	63.1	63.5	63.8	
GE 1200		42.7	47.1	54.5	59.9	60.1	63.1	64.3	65.3	68.2	68.9	68.9	69.1	69.7	70.0	70.4	
GE 1000		45.8	50.8	59.2	65.3	65.5	68.4	70.2	71.3	74.5	75.1	75.1	75.3	76.0	76.3	76.6	
GE 900		46.8	52.8	62.7	69.4	69.7	73.4	74.8	76.2	79.4	80.1	80.1	80.3	80.7	81.3	81.6	
GE 800		47.2	54.0	64.4	71.9	72.3	76.1	77.7	79.1	82.5	83.2	83.2	83.4	84.1	84.4	84.7	
GE 700		47.5	54.4	65.8	73.6	74.1	78.0	79.6	81.0	84.5	85.2	85.2	85.5	86.1	86.4	86.7	
GE 600		47.8	54.6	67.1	75.1	75.9	80.2	82.3	83.7	87.8	88.6	88.6	88.8	89.4	89.8	90.1	
GE 500		47.8	54.8	67.3	75.3	76.1	80.5	83.1	84.8	89.2	90.0	90.0	90.4	91.1	91.4	91.9	
GE 400		48.0	55.0	67.5	75.4	76.2	80.9	83.9	85.7	90.5	91.3	91.5	92.0	92.8	93.1	93.6	
GE 300		48.0	55.0	67.5	75.4	76.2	80.9	84.1	85.9	91.3	92.0	92.2	92.9	94.1	94.5	95.0	
GE 200		48.0	55.0	67.5	75.4	76.2	80.9	84.1	86.0	91.9	92.8	93.1	94.2	96.0	97.4	98.8	
GE 100		48.0	55.1	67.6	75.5	76.3	81.0	84.2	86.1	92.0	92.9	93.3	94.4	96.2	97.6	99.7	
GE 0		48.0	55.1	67.6	75.5	76.3	81.0	84.2	86.1	92.1	93.0	93.4	94.5	96.3	97.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JAN HOURS(IST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL			8.1	9.2	11.0	12.2	12.2	12.9	14.0	14.7	15.9	16.2	16.2	16.2	16.5	16.7
GE 20000			11.3	12.7	15.4	16.7	16.7	17.6	18.7	19.5	21.0	21.3	21.3	21.3	21.5	21.7
GE 18000			11.5	12.9	15.6	16.9	16.9	17.8	18.9	19.7	21.2	21.5	21.5	21.5	21.7	21.9
GE 16000			11.5	12.9	15.6	16.9	16.9	17.8	18.9	19.7	21.2	21.5	21.5	21.5	21.7	21.9
GE 14000			11.7	13.1	15.8	17.1	17.1	18.1	19.1	19.9	21.4	21.7	21.7	21.7	21.9	22.2
GE 12000			11.8	13.2	16.0	17.3	17.3	18.3	19.4	20.1	21.6	21.9	21.9	21.9	22.2	22.4
GE 10000			12.8	14.3	17.2	18.5	18.5	19.5	20.5	21.3	22.8	23.1	23.1	23.1	23.3	23.5
GE 9000			12.9	14.4	17.3	18.6	18.6	19.6	20.6	21.4	22.9	23.2	23.2	23.2	23.4	23.7
GE 8000			13.9	16.0	19.2	20.9	20.9	22.0	23.1	23.9	25.5	25.8	25.8	25.8	26.0	26.2
GE 7000			14.7	16.9	20.2	22.0	22.0	23.2	24.3	25.1	26.7	27.0	27.0	27.0	27.2	27.4
GE 6000			15.1	17.2	20.5	22.4	22.4	23.5	24.6	25.4	27.0	27.3	27.3	27.3	27.5	27.7
GE 5000			15.5	17.6	21.1	23.1	23.1	24.3	25.4	26.1	27.7	28.1	28.1	28.1	28.3	28.5
GE 4500			17.4	19.6	23.1	25.2	25.2	26.3	27.4	28.2	30.0	30.3	30.3	30.4	30.6	30.9
GE 4000			18.9	21.3	25.1	27.3	27.3	28.7	29.9	30.9	32.7	33.0	33.1	33.1	33.3	33.5
GE 3500			21.5	24.1	28.3	30.5	30.5	32.0	33.3	34.3	36.2	36.6	36.7	36.7	36.9	37.1
GE 3000			26.5	29.5	34.8	37.3	37.3	39.0	40.3	41.3	43.4	43.8	43.9	43.9	44.1	44.3
GE 2500			30.1	33.1	38.8	41.6	41.6	43.4	44.7	45.7	48.0	48.3	48.4	48.4	48.6	48.8
GE 2000			34.5	37.6	44.4	47.7	47.8	49.8	51.2	52.2	54.5	54.8	54.9	54.9	55.2	55.4
GE 1800			36.0	39.6	46.1	49.6	49.7	51.6	53.0	54.0	56.3	56.7	56.8	56.8	57.0	57.2
GE 1500			42.5	46.7	54.7	58.6	58.8	61.0	62.6	63.5	66.1	66.5	66.9	66.9	67.1	67.3
GE 1200			45.6	50.1	59.1	63.4	63.9	66.1	68.1	69.1	72.2	72.5	72.9	72.9	73.1	73.3
GE 1000			48.2	53.5	63.5	68.6	69.4	72.4	74.4	75.5	78.6	78.9	79.4	79.4	79.6	79.8
GE 900			48.6	54.6	66.1	72.0	73.0	76.1	78.2	79.4	82.6	82.9	83.3	83.3	83.5	83.8
GE 800			49.1	55.3	67.5	74.2	75.2	78.5	80.5	81.8	85.3	85.6	86.0	86.0	86.2	86.5
GE 700			49.5	55.8	68.9	76.7	77.8	81.3	83.5	84.8	88.7	89.0	89.6	89.6	89.9	90.1
GE 600			49.6	56.0	69.4	77.6	78.9	83.2	86.0	87.4	92.2	92.5	93.0	93.0	93.3	93.5
GE 500			49.8	56.2	69.8	78.4	79.7	84.0	87.2	88.7	94.1	94.7	95.3	95.3	95.6	95.9
GE 400			49.8	56.2	69.8	78.4	79.7	84.0	87.3	88.9	94.5	95.4	96.2	96.2	96.6	96.9
GE 300			49.8	56.2	69.8	78.4	79.7	84.0	87.3	89.2	94.8	95.7	96.6	96.6	96.9	97.2
GE 200			49.8	56.2	69.8	78.4	79.7	84.0	87.3	89.2	94.9	95.8	96.7	96.9	97.7	98.5
GE 100			49.8	56.2	69.8	78.4	79.7	84.0	87.3	89.2	94.9	95.8	96.7	96.9	97.7	100.0
GE 0			49.8	56.2	69.8	78.4	79.7	84.0	87.3	89.2	94.9	95.8	96.7	96.9	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JAN HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 46	LE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE U
NO CEIL		10.6	12.2	14.0	15.1	15.2	16.2	16.8	17.2	17.8	17.8	17.8	17.8	17.8	17.8	17.8
GE 20000		14.5	16.1	18.6	19.9	20.0	21.1	21.7	22.2	22.8	22.8	22.8	22.8	22.8	22.8	22.8
GE 18000		15.2	16.8	19.2	20.5	20.6	21.7	22.4	22.8	23.4	23.4	23.4	23.4	23.4	23.4	23.4
GE 16000		15.3	16.9	19.4	20.6	20.8	21.8	22.5	22.9	23.5	23.5	23.5	23.5	23.5	23.5	23.5
GE 14000		15.7	17.3	19.8	21.1	21.2	22.3	22.9	23.3	24.0	24.0	24.0	24.0	24.0	24.0	24.0
GE 12000		15.7	17.3	20.1	21.4	21.5	22.6	23.2	23.7	24.3	24.3	24.3	24.3	24.3	24.3	24.3
GE 10000		17.1	18.8	21.8	23.2	23.3	24.4	25.1	25.5	26.2	26.2	26.2	26.2	26.2	26.2	26.2
GE 9000		17.4	19.1	22.2	23.5	23.7	24.7	25.4	25.8	26.6	26.6	26.6	26.6	26.6	26.6	26.6
GE 8000		19.0	20.8	24.1	25.5	25.6	26.7	27.3	27.7	28.5	28.5	28.5	28.5	28.5	28.5	28.5
GE 7000		19.9	21.6	25.1	26.5	26.6	27.6	28.3	28.7	29.5	29.5	29.5	29.5	29.5	29.5	29.5
GE 6000		20.1	21.8	25.3	26.7	26.8	27.8	28.5	28.9	29.7	29.7	29.7	29.7	29.7	29.7	29.7
GE 5000		21.7	23.4	26.9	28.5	28.6	29.7	30.3	30.8	31.5	31.5	31.5	31.5	31.5	31.5	31.5
GE 4500		23.3	25.3	28.7	30.3	30.6	31.8	32.5	32.9	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 4000		25.3	27.3	30.9	32.7	33.0	34.2	34.8	35.3	36.0	36.0	36.0	36.0	36.0	36.0	36.0
GE 3500		27.1	29.4	33.0	34.8	35.2	36.3	37.1	37.5	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 3000		35.3	38.6	43.4	45.6	45.9	47.1	48.0	48.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 2500		38.5	42.4	47.3	49.6	50.0	51.4	52.3	52.8	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 2000		42.3	46.3	52.2	54.8	55.3	56.7	57.5	58.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 1800		45.1	49.2	55.2	57.8	58.3	59.7	60.5	61.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 1500		52.6	57.3	64.4	67.4	68.0	69.6	70.4	71.0	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 1200		55.4	60.4	68.5	71.7	72.4	74.2	75.3	75.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 1000		57.2	63.2	72.6	76.9	78.0	80.0	81.1	81.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 900		58.1	64.1	74.1	79.5	80.6	82.7	83.8	84.5	87.2	87.3	87.3	87.3	87.3	87.3	87.3
GE 800		58.3	64.3	75.1	80.6	82.0	84.6	85.7	86.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6
GE 700		58.4	64.4	75.7	81.9	83.5	86.6	87.7	88.5	92.3	92.5	92.5	92.5	92.5	92.5	92.5
GE 600		58.5	64.6	76.7	83.3	85.1	88.5	89.8	90.5	95.4	95.6	95.6	95.6	95.6	95.6	95.6
GE 500		58.5	64.6	76.8	83.8	85.6	89.2	90.5	91.3	96.6	96.8	96.8	96.8	97.0	97.0	97.0
GE 400		58.5	64.6	76.8	83.8	85.6	89.2	90.5	91.3	97.0	97.8	98.0	98.0	98.2	98.2	98.2
GE 300		58.5	64.6	76.8	83.8	85.6	89.2	90.6	91.5	97.4	98.3	98.4	98.4	98.6	98.6	98.6
GE 200		58.5	64.6	76.8	83.8	85.6	89.2	90.6	91.5	97.4	98.4	98.5	98.5	99.1	99.5	100.0
GE 100		58.5	64.6	76.8	83.8	85.6	89.2	90.6	91.5	97.4	98.4	98.5	98.5	99.1	99.5	100.0
GE 0		58.5	64.6	76.8	83.8	85.6	89.2	90.6	91.5	97.4	98.4	98.5	98.5	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JAN HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		11.9	14.2	16.3	17.2	17.4	18.9	19.8	20.1	20.4	20.4	20.5	20.5	20.6	20.8	20.8
GE 20000		13.8	16.1	18.7	19.6	19.8	21.4	22.3	22.8	23.3	23.3	23.4	23.5	23.8	23.9	24.0
GE 18000		13.9	16.2	18.8	19.7	19.9	21.5	22.4	22.9	23.4	23.4	23.5	23.7	23.9	24.0	24.1
GE 16000		13.9	16.2	18.8	19.7	19.9	21.5	22.4	22.9	23.4	23.4	23.5	23.7	23.9	24.0	24.1
GE 14000		14.2	16.6	19.1	20.0	20.2	21.8	22.7	23.2	23.8	23.8	23.9	24.0	24.2	24.3	24.4
GE 12000		15.1	17.4	20.3	21.2	21.4	23.0	23.9	24.4	24.9	24.9	25.1	25.2	25.4	25.5	25.6
GE 10000		17.0	19.4	22.3	23.2	23.4	25.2	26.1	26.7	27.2	27.2	27.3	27.4	27.6	27.7	27.8
GE 9000		17.1	19.5	22.4	23.4	23.7	25.4	26.3	26.9	27.4	27.4	27.5	27.6	27.8	28.0	28.1
GE 8000		18.4	21.2	24.4	25.7	25.9	27.6	28.7	29.4	30.0	30.0	30.1	30.2	30.4	30.5	30.6
GE 7000		18.9	21.7	24.9	26.2	26.5	28.2	29.2	29.9	30.5	30.5	30.6	30.8	31.0	31.1	31.2
GE 6000		18.9	21.7	24.9	26.2	26.5	28.2	29.2	29.9	30.5	30.5	30.6	30.8	31.0	31.1	31.2
GE 5000		20.1	22.9	26.1	27.4	27.6	29.4	30.4	31.1	31.7	31.7	31.8	31.9	32.2	32.3	32.4
GE 4500		23.1	26.0	29.2	30.6	31.0	32.7	33.8	34.4	35.1	35.1	35.2	35.3	35.5	35.6	35.7
GE 4000		25.9	28.9	32.3	34.1	34.6	36.6	37.6	38.3	38.9	38.9	39.0	39.1	39.4	39.5	39.6
GE 3500		28.6	31.6	34.9	36.8	37.3	39.2	40.3	41.0	41.6	41.6	41.7	41.8	42.0	42.2	42.3
GE 3000		34.5	38.2	43.0	45.2	45.8	47.7	49.0	49.8	51.0	51.0	51.2	51.3	51.5	51.7	51.9
GE 2500		39.1	43.1	48.2	50.3	51.0	52.9	54.2	54.9	56.1	56.1	56.3	56.5	56.7	56.9	57.1
GE 2000		44.0	48.3	54.8	57.0	57.6	59.7	61.1	61.8	63.3	63.3	63.5	63.7	63.9	64.1	64.3
GE 1800		46.1	50.8	57.5	59.7	60.3	62.4	63.8	64.5	66.0	66.0	66.2	66.3	66.6	66.8	67.0
GE 1500		51.5	56.9	64.7	67.2	67.8	69.9	71.6	72.4	74.2	74.2	74.4	74.5	74.7	74.9	75.2
GE 1200		53.1	59.2	68.4	71.7	72.4	74.5	76.5	77.3	79.5	79.5	79.7	79.8	80.0	80.2	80.4
GE 1000		54.0	60.6	72.4	76.6	77.4	79.8	81.9	82.8	85.1	85.1	85.3	85.5	85.7	85.9	86.1
GE 900		54.2	61.3	73.5	78.1	78.9	81.4	83.9	84.7	87.6	87.6	87.8	88.1	88.3	88.5	88.7
GE 800		54.4	61.7	74.4	79.0	80.0	82.8	85.3	86.1	89.0	89.0	89.6	89.8	90.0	90.2	90.4
GE 700		54.4	61.8	75.2	80.4	81.4	84.4	86.9	88.0	91.6	91.6	92.4	92.6	92.8	93.0	93.2
GE 600		54.4	61.6	75.5	81.3	82.3	85.6	88.1	89.1	93.5	93.8	94.4	94.6	94.8	95.1	95.3
GE 500		54.4	61.8	75.8	81.9	82.9	86.3	88.8	89.9	94.7	94.9	95.7	95.9	96.5	96.7	96.9
GE 400		54.4	61.8	75.8	81.9	82.9	86.6	89.4	90.4	95.5	95.8	97.1	97.3	97.8	98.1	98.3
GE 300		54.4	61.8	75.8	81.9	82.9	86.6	89.4	90.4	96.0	96.3	97.6	98.1	98.6	98.8	99.0
GE 200		54.4	61.8	75.8	81.9	82.9	86.6	89.4	90.4	96.1	96.6	97.8	98.3	98.8	99.4	99.8
GE 100		54.4	61.8	75.8	81.9	82.9	86.6	89.4	90.4	96.2	96.7	98.0	98.4	98.9	99.5	99.9
GE 0		54.5	61.9	75.9	82.0	83.0	86.7	89.5	90.5	96.3	96.8	98.1	98.5	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JAN HOURS(IST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		11.6	13.9	15.6	16.9	17.3	18.8	20.1	20.5	21.9	21.9	22.0	22.2	22.9	23.3	23.7	
GE 20000		13.5	15.8	17.5	18.9	19.4	20.9	22.3	23.1	24.5	24.5	24.7	24.9	25.8	26.2	26.7	
GE 18000		13.5	15.8	17.5	18.9	19.4	20.9	22.3	23.1	24.5	24.5	24.7	24.9	25.8	26.2	26.7	
GE 16000		13.5	15.8	17.5	18.9	19.4	20.9	22.3	23.1	24.5	24.5	24.7	24.9	25.8	26.2	26.7	
GE 14000		13.5	15.8	17.5	18.9	19.4	20.9	22.3	23.1	24.5	24.5	24.7	24.9	25.8	26.2	26.7	
GE 12000		13.5	15.8	17.7	19.1	19.6	21.1	22.5	23.3	24.7	24.7	24.9	25.2	26.0	26.5	26.9	
GE 10000		14.7	17.0	18.9	20.3	20.8	22.3	23.7	24.5	25.9	25.9	26.1	26.3	27.2	27.6	28.1	
GE 9000		14.9	17.2	19.1	20.5	21.0	22.5	23.9	24.7	26.1	26.1	26.3	26.6	27.4	27.8	28.3	
GE 8000		16.6	18.8	21.1	22.5	22.9	24.4	25.9	26.8	28.2	28.2	28.4	28.6	29.5	29.9	30.3	
GE 7000		17.1	19.4	21.6	23.0	23.4	24.9	26.5	27.3	28.7	28.7	28.9	29.1	30.0	30.4	30.9	
GE 6000		17.1	19.4	21.6	23.0	23.4	24.9	26.5	27.3	28.7	28.7	28.9	29.1	30.0	30.4	30.9	
GE 5000		18.6	21.0	23.2	24.6	25.1	26.6	28.1	28.9	30.3	30.3	30.5	30.8	31.6	32.0	32.5	
GE 4500		21.9	24.6	27.0	28.6	29.4	30.9	32.4	33.2	34.6	34.6	34.8	35.1	35.9	36.3	36.8	
GE 4000		24.9	27.6	30.3	31.9	32.8	34.3	35.9	36.8	38.2	38.2	38.4	38.6	39.5	39.9	40.3	
GE 3500		27.0	29.7	32.4	34.0	34.8	36.3	38.0	38.8	40.3	40.3	40.5	40.9	41.7	42.2	42.6	
GE 3000		32.0	35.2	38.6	40.8	41.6	43.4	45.2	46.0	48.3	48.3	48.6	49.2	50.1	50.5	51.0	
GE 2500		36.9	40.3	44.0	46.2	47.1	48.9	50.6	51.5	53.8	53.8	54.1	54.7	55.6	56.0	56.5	
GE 2000		41.6	45.8	50.2	52.5	53.3	55.6	57.6	58.5	60.9	60.9	61.2	61.8	62.7	63.1	63.5	
GE 1800		42.2	46.7	51.3	53.5	54.4	56.8	58.8	59.7	62.0	62.0	62.4	63.0	63.9	64.3	64.7	
GE 1500		49.7	54.7	60.5	63.2	64.1	66.5	68.6	69.8	72.3	72.3	72.6	73.2	74.1	74.5	74.9	
GE 1200		51.1	57.2	64.7	67.8	68.9	71.7	73.9	75.4	77.8	77.8	78.2	78.8	79.7	80.1	80.5	
GE 1000		52.0	58.3	67.5	70.6	71.7	74.6	77.3	78.8	81.4	81.4	81.7	82.4	83.2	83.7	84.1	
GE 900		52.9	59.5	69.7	72.9	74.0	77.1	79.9	81.4	84.2	84.2	84.6	85.3	86.1	86.6	87.0	
GE 800		53.2	60.3	71.3	74.7	75.9	79.2	82.0	83.5	86.7	86.7	87.4	88.3	89.1	89.6	90.0	
GE 700		53.2	60.3	72.0	76.2	77.4	81.0	84.0	85.5	89.4	89.4	90.1	91.0	91.8	92.3	92.7	
GE 600		53.2	60.3	72.5	77.0	78.2	81.9	84.8	86.5	90.8	90.8	91.5	92.4	93.2	93.7	94.1	
GE 500		53.2	60.3	72.7	77.5	78.8	82.7	85.7	87.3	91.8	91.8	92.6	93.4	94.6	95.1	95.5	
GE 400		53.2	60.3	72.7	77.5	78.8	83.1	86.2	88.1	93.5	93.5	94.3	95.2	96.3	96.8	97.2	
GE 300		53.2	60.3	72.7	77.5	78.8	83.5	86.7	88.5	94.6	94.6	95.4	96.2	97.4	97.8	98.3	
GE 200		53.2	60.3	72.7	77.5	78.8	83.5	86.7	88.5	94.6	94.9	95.7	96.7	98.5	99.0	99.7	
GE 100		53.2	60.3	72.7	77.5	78.8	83.5	86.7	88.5	94.6	94.9	95.7	96.9	98.7	99.4	100.0	
GE 0		53.2	60.3	72.7	77.5	78.8	83.5	86.7	88.5	94.6	94.9	95.7	96.9	98.7	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JAN HOURS(IST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0
NO CEIL		10.3	11.8	13.5	14.6	14.7	16.0	17.3	17.9	19.0	19.3	19.3	19.5	19.8	20.1	20.3
GE 20000		12.3	14.0	16.0	17.2	17.3	18.7	20.0	20.8	22.0	22.3	22.4	22.6	22.9	23.2	23.5
GE 18000		12.4	14.1	16.1	17.3	17.5	18.8	20.2	20.9	22.1	22.4	22.5	22.7	23.1	23.3	23.6
GE 16000		12.5	14.1	16.1	17.3	17.5	18.8	20.2	20.9	22.1	22.4	22.5	22.8	23.1	23.3	23.6
GE 14000		12.6	14.3	16.3	17.5	17.6	19.0	20.3	21.0	22.2	22.6	22.7	22.9	23.2	23.5	23.7
GE 12000		12.7	14.4	16.6	17.8	17.9	19.3	20.6	21.3	22.5	22.9	23.0	23.2	23.5	23.8	24.0
GE 10000		13.7	15.4	17.6	18.9	19.0	20.4	21.7	22.5	23.7	24.0	24.1	24.4	24.7	24.9	25.2
GE 9000		13.9	15.6	17.9	19.1	19.2	20.6	22.0	22.7	24.0	24.3	24.4	24.6	24.9	25.2	25.4
GE 8000		15.1	17.1	19.5	20.8	21.0	22.4	23.8	24.6	25.9	26.2	26.3	26.6	26.9	27.1	27.4
GE 7000		15.7	17.7	20.2	21.6	21.8	23.2	24.6	25.4	26.7	27.0	27.2	27.4	27.7	28.0	28.2
GE 6000		15.8	17.9	20.3	21.7	21.9	23.3	24.8	25.5	26.9	27.2	27.3	27.5	27.8	28.1	28.4
GE 5000		17.1	19.1	21.6	23.1	23.3	24.7	26.2	26.9	28.3	28.6	28.7	29.0	29.3	29.6	29.8
GE 4500		19.7	22.0	24.6	26.2	26.5	28.0	29.5	30.3	31.7	32.1	32.2	32.4	32.8	33.0	33.3
GE 4000		21.9	24.3	27.1	28.8	29.2	30.8	32.3	33.2	34.6	35.0	35.1	35.4	35.7	36.0	36.2
GE 3500		24.1	26.6	29.5	31.2	31.6	33.3	34.9	35.8	37.3	37.7	37.8	38.1	38.4	38.7	38.9
GE 3000		29.7	32.7	36.6	38.6	39.1	40.9	42.6	43.6	45.4	45.7	45.9	46.2	46.5	46.8	47.1
GE 2500		33.3	36.6	40.9	43.0	43.4	45.3	47.1	48.1	49.9	50.3	50.4	50.7	51.1	51.4	51.6
GE 2000		37.9	41.6	46.6	49.0	49.4	51.6	53.5	54.6	56.6	57.0	57.2	57.5	57.8	58.1	58.4
GE 1800		39.5	43.4	48.6	51.0	51.4	53.6	55.5	56.7	58.6	59.0	59.2	59.5	59.8	60.2	60.4
GE 1500		46.6	51.0	57.2	60.0	60.5	62.8	64.9	66.1	68.3	68.7	68.9	69.2	69.5	69.9	70.1
GE 1200		49.5	54.5	61.7	64.9	65.5	68.0	70.4	71.7	74.1	74.5	74.7	75.0	75.3	75.7	75.9
GE 1000		51.6	57.2	65.7	69.7	70.4	73.1	75.7	77.1	79.5	79.9	80.2	80.5	80.8	81.1	81.4
GE 900		52.3	58.6	68.2	72.5	73.3	76.2	78.9	80.3	83.0	83.5	83.7	84.1	84.4	84.7	85.0
GE 800		52.8	59.5	69.6	74.2	75.1	78.3	81.3	82.7	85.6	86.0	86.4	86.7	87.1	87.4	87.7
GE 700		53.0	59.8	70.6	75.8	76.7	80.2	83.3	84.8	88.3	88.8	89.1	89.6	89.9	90.2	90.5
GE 600		53.1	59.9	71.3	76.8	77.8	81.7	85.0	86.6	90.8	91.3	91.7	92.1	92.4	92.7	93.0
GE 500		53.1	59.9	71.6	77.3	78.4	82.5	86.1	87.7	92.4	92.9	93.3	93.7	94.2	94.5	94.8
GE 400		53.2	60.0	71.7	77.4	78.5	82.7	86.6	88.2	93.4	94.1	94.7	95.2	95.7	96.0	96.3
GE 300		53.2	60.0	71.7	77.4	78.5	82.8	86.8	88.5	94.4	95.2	95.7	96.3	96.8	97.1	97.5
GE 200		53.2	60.0	71.7	77.4	78.5	82.8	86.8	88.6	94.7	95.5	96.1	96.8	97.7	98.6	99.5
GE 100		53.2	60.0	71.7	77.4	78.5	82.8	86.8	88.6	94.7	95.5	96.2	96.9	97.9	98.9	99.9
GE 0		53.2	60.0	71.7	77.4	78.5	82.8	86.8	88.6	94.7	95.5	96.2	96.9	97.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7431

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: FEB HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE U
NO CEIL		21.5	24.1	28.5	31.1	32.9	33.1	34.8	35.2	37.6	37.7	37.8	38.7	39.1	40.9	41.4
GE 20000		22.7	25.7	30.3	32.9	34.6	35.0	36.8	37.2	39.6	39.7	39.8	40.7	41.3	43.1	43.6
GE 18000		22.7	25.7	30.3	32.9	34.6	35.0	36.8	37.2	39.6	39.7	39.8	40.7	41.3	43.1	43.6
GE 16000		22.7	25.7	30.3	32.9	34.6	35.0	36.8	37.2	39.6	39.7	39.8	40.7	41.3	43.1	43.6
GE 14000		22.7	25.7	30.3	32.9	34.6	35.0	36.8	37.2	39.6	39.7	39.8	40.7	41.3	43.1	43.6
GE 12000		22.7	25.7	30.3	32.9	34.6	35.0	36.8	37.2	39.6	39.7	39.8	40.7	41.3	43.1	43.6
GE 10000		23.3	26.2	30.9	33.5	35.6	35.9	37.7	38.2	40.5	40.7	40.8	41.6	42.2	44.1	44.6
GE 9000		23.5	26.5	31.3	34.0	36.2	36.5	38.7	39.1	41.5	41.6	41.7	42.6	43.1	45.0	45.5
GE 8000		24.8	27.9	33.2	35.9	38.1	38.4	40.9	41.4	43.9	44.0	44.1	45.0	45.6	47.5	48.0
GE 7000		25.1	28.1	33.5	36.2	38.3	38.7	41.1	41.6	44.1	44.2	44.3	45.3	45.9	47.8	48.2
GE 6000		25.1	28.1	33.5	36.2	38.3	38.7	41.1	41.6	44.1	44.2	44.3	45.3	45.9	47.8	48.2
GE 5000		26.4	29.4	35.2	38.1	40.2	40.5	43.0	43.5	46.0	46.1	46.2	47.2	47.9	49.8	50.2
GE 4500		30.3	33.3	39.2	42.1	44.2	44.8	47.3	47.8	50.6	50.7	50.8	51.8	52.5	54.4	54.8
GE 4000		33.2	36.3	42.6	45.4	47.5	48.1	50.7	51.2	54.1	54.3	54.4	55.3	56.1	58.0	58.5
GE 3500		34.9	37.9	44.3	47.3	49.4	50.0	52.6	53.1	56.0	56.1	56.3	57.2	58.0	59.9	60.4
GE 3000		39.7	43.3	50.8	53.8	55.9	56.5	59.1	59.6	62.6	62.8	62.9	63.8	64.8	66.7	67.1
GE 2500		42.9	46.7	54.5	57.6	59.7	60.5	63.6	64.1	67.1	67.3	67.4	68.3	69.3	71.2	71.6
GE 2000		44.9	49.1	57.2	60.8	62.9	63.9	67.5	68.0	71.0	71.2	71.5	72.5	73.4	75.4	75.9
GE 1800		45.5	49.6	58.3	61.8	63.9	65.0	68.6	69.0	72.1	72.2	72.6	73.5	74.5	76.5	77.0
GE 1500		46.8	51.3	60.6	64.9	67.4	69.0	72.7	73.2	76.6	76.7	77.1	78.0	79.0	81.0	81.4
GE 1200		49.1	53.8	64.1	69.1	71.9	73.6	78.0	78.5	82.3	82.4	82.7	83.7	84.6	86.6	87.1
GE 1000		50.4	55.4	66.5	72.1	75.2	77.1	81.9	82.4	86.5	86.6	87.0	87.9	88.9	90.9	91.4
GE 900		50.4	55.4	66.9	72.6	75.7	77.9	82.9	83.3	87.6	87.7	88.1	89.0	90.1	92.1	92.6
GE 800		50.5	55.6	67.4	73.0	76.1	78.4	83.9	84.4	89.5	89.7	90.1	91.0	92.1	94.1	94.6
GE 700		50.5	55.6	67.5	73.2	76.2	78.6	84.4	84.9	90.0	90.2	90.5	91.5	92.6	94.6	95.0
GE 600		50.5	55.8	67.8	73.6	76.7	79.1	84.9	85.3	90.8	91.0	91.4	92.3	93.4	95.4	95.9
GE 500		50.5	55.8	68.0	73.9	77.3	79.9	85.8	86.6	92.3	92.6	93.0	94.0	95.0	97.0	97.5
GE 400		50.5	55.8	68.0	73.9	77.3	80.4	87.1	87.9	94.0	94.2	94.7	95.6	96.9	98.9	99.4
GE 300		50.5	55.8	68.0	73.9	77.3	80.4	87.1	87.9	94.1	94.3	94.8	95.7	97.4	99.4	99.9
GE 200		50.5	55.8	68.0	73.9	77.3	80.4	87.1	87.9	94.1	94.3	94.8	95.7	97.4	99.5	100.0
GE 100		50.5	55.8	68.0	73.9	77.3	80.4	87.1	87.9	94.1	94.3	94.8	95.7	97.4	99.5	100.0
GE 01		50.5	55.8	68.0	73.9	77.3	80.4	87.1	87.9	94.1	94.3	94.8	95.7	97.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 446

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: FEB HOURS(IST): 0300-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE U	
NO CEIL		18.3	20.7	24.9	26.0	26.9	28.2	30.1	30.7	34.1	34.1	34.1	34.3	34.9	36.3	36.7	
GE 20000		19.5	22.4	26.5	27.7	28.6	29.9	31.8	32.4	36.1	36.1	36.1	36.3	36.9	38.5	38.8	
GE 18000		19.5	22.4	26.5	27.7	28.6	29.9	31.8	32.4	36.1	36.1	36.1	36.3	36.9	38.5	38.8	
GE 16000		19.5	22.4	26.5	27.7	28.6	29.9	31.8	32.4	36.1	36.1	36.1	36.3	36.9	38.5	38.8	
GE 14000		19.5	22.4	26.5	27.7	28.6	29.9	31.8	32.4	36.1	36.1	36.1	36.3	36.9	38.5	38.8	
GE 12000		19.8	22.6	26.7	27.9	28.9	30.2	32.1	32.7	36.3	36.3	36.3	36.6	37.2	39.7	39.1	
GE 10000		20.2	23.2	27.3	28.5	29.5	30.9	32.8	33.4	37.0	37.0	37.0	37.3	37.9	39.4	39.8	
GE 9000		20.6	23.6	27.7	29.1	30.1	31.5	33.5	34.1	37.8	37.8	37.8	38.0	38.6	40.1	40.5	
GE 8000		20.6	23.7	27.9	29.5	30.5	32.0	34.1	34.7	38.5	38.5	38.5	38.7	39.3	40.8	41.2	
GE 7000		20.7	23.8	28.3	29.8	30.9	32.3	34.4	35.0	38.8	38.8	38.8	39.1	39.6	41.2	41.5	
GE 6000		20.8	23.9	28.4	29.9	31.0	32.4	34.6	35.1	38.9	38.9	38.9	39.2	39.8	41.3	41.7	
GE 5000		21.8	24.9	29.3	31.0	32.1	33.5	35.6	36.2	40.2	40.2	40.2	40.5	41.1	42.6	43.0	
GE 4500		24.5	27.7	32.5	34.2	35.3	36.7	38.9	39.5	43.7	43.7	43.7	43.9	44.6	46.2	46.5	
GE 4000		28.4	32.2	37.4	39.1	40.1	41.7	44.1	44.7	49.1	49.1	49.1	49.3	50.1	51.6	52.0	
GE 3500		30.5	34.3	39.8	41.5	42.6	44.1	46.6	47.2	52.0	52.2	52.2	52.4	53.1	54.7	55.0	
GE 3000		35.4	39.4	45.9	47.7	49.0	50.5	53.1	54.0	58.7	58.9	59.1	59.3	60.0	61.5	61.9	
GE 2500		38.8	43.2	49.7	51.5	52.8	54.3	57.0	57.9	62.6	62.8	63.0	63.2	63.9	65.4	65.8	
GE 2000		42.0	46.9	54.2	56.1	57.4	58.9	62.0	62.8	67.6	67.8	67.9	68.2	68.9	70.4	70.8	
GE 1800		42.5	47.6	55.1	57.0	58.3	59.9	63.0	63.8	68.5	68.8	68.8	69.1	69.8	71.4	71.7	
GE 1500		44.5	49.9	58.5	61.3	62.6	64.4	67.7	68.5	73.6	73.8	74.0	74.2	74.9	76.4	76.8	
GE 1200		46.9	52.7	62.1	65.6	67.0	69.0	73.0	73.8	79.2	79.4	79.9	80.1	80.8	82.4	82.7	
GE 1000		47.8	54.0	64.1	68.4	69.9	73.0	77.5	78.7	84.0	84.3	84.7	85.0	85.7	87.2	87.6	
GE 900		47.8	54.3	64.6	68.9	70.4	73.7	78.2	79.4	85.0	85.2	85.7	85.9	86.6	88.2	88.5	
GE 800		48.2	54.8	65.6	69.8	71.4	74.8	79.6	80.8	87.0	87.3	87.8	88.0	88.8	90.3	90.7	
GE 700		48.2	54.8	65.9	70.3	71.8	75.3	80.5	81.7	87.9	88.3	88.6	89.0	89.7	91.2	91.6	
GE 600		48.2	54.8	66.4	70.8	72.3	75.7	81.1	82.4	88.9	89.2	89.7	89.9	90.7	92.2	92.5	
GE 500		48.2	54.8	66.6	71.4	72.9	76.6	82.1	83.4	90.2	90.5	91.0	91.2	92.0	93.5	93.8	
GE 400		48.2	54.8	66.6	71.4	72.9	76.6	82.8	84.1	91.2	91.6	92.1	92.3	93.0	94.6	94.9	
GE 300		48.2	54.8	66.6	71.4	72.9	76.6	83.1	84.7	92.1	92.4	92.9	93.1	94.3	95.9	96.4	
GE 200		48.2	54.8	66.6	71.4	72.9	76.9	83.1	84.7	93.0	93.4	94.0	94.2	95.6	97.3	98.1	
GE 100		48.2	54.8	66.6	71.4	72.9	76.6	83.1	84.7	93.1	93.6	94.4	94.8	96.3	98.0	99.3	
GE NI		48.2	54.8	66.6	71.4	72.9	76.9	83.1	84.7	93.3	93.7	94.6	94.9	96.4	98.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 845

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-63
MONTH: FEB HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		14.6	17.1	19.9	20.8	21.0	22.9	24.2	25.3	27.8	27.8	27.8	27.9	27.9	29.4	29.5
GE 20000		17.1	19.6	22.5	23.4	23.6	25.5	26.8	27.9	30.5	30.5	30.5	30.6	30.6	32.1	32.3
GE 18000		17.1	19.6	22.5	23.4	23.6	25.5	26.8	27.9	30.5	30.5	30.5	30.6	30.6	32.3	32.4
GE 16000		17.1	19.6	22.5	23.4	23.6	25.5	26.8	27.9	30.5	30.5	30.5	30.6	30.6	32.3	32.4
GE 14000		17.1	19.6	22.5	23.4	23.6	25.5	26.8	27.9	30.5	30.5	30.5	30.6	30.6	32.3	32.4
GE 12000		17.3	19.8	22.8	23.6	23.8	25.7	27.0	28.1	30.7	30.7	30.7	30.8	30.8	32.5	32.6
GE 10000		17.7	20.2	23.3	24.1	24.3	26.2	27.5	28.6	31.3	31.3	31.3	31.4	31.4	33.1	33.2
GE 9000		17.7	20.3	23.4	24.6	24.8	26.7	28.0	29.1	31.8	31.8	31.8	31.9	31.9	33.6	33.7
GE 8000		18.7	21.4	24.8	26.0	26.3	28.2	29.8	30.8	33.6	33.6	33.6	33.8	33.8	35.5	35.6
GE 7000		19.2	21.8	25.4	26.6	26.9	28.8	30.4	31.4	34.2	34.2	34.2	34.4	34.4	36.1	36.2
GE 6000		19.2	21.8	25.4	26.6	26.9	28.8	30.4	31.4	34.2	34.2	34.2	34.4	34.4	36.1	36.2
GE 5000		19.6	22.2	25.7	27.0	27.4	29.5	31.1	32.1	34.9	34.9	34.9	35.1	35.1	36.8	36.9
GE 4500		21.2	23.8	27.8	29.1	29.4	31.8	33.6	34.6	37.4	37.4	37.4	37.6	37.6	39.3	39.4
GE 4000		23.7	26.9	31.6	33.1	33.5	36.4	38.2	39.3	42.1	42.1	42.1	42.3	42.3	44.0	44.1
GE 3500		26.0	29.5	34.4	36.1	36.4	39.5	41.6	42.7	45.6	45.6	45.6	45.8	45.8	47.4	47.6
GE 3000		30.6	34.8	40.5	42.3	42.7	45.9	48.0	49.5	52.4	52.4	52.7	52.9	52.9	54.6	54.7
GE 2500		35.8	40.3	46.1	48.0	48.4	51.7	53.9	55.3	58.2	58.2	58.5	58.7	58.7	60.4	60.5
GE 2000		39.1	44.4	51.2	53.1	53.5	57.1	59.5	61.0	63.9	64.1	64.3	64.5	64.5	66.2	66.3
GE 1800		40.2	45.8	53.1	55.0	55.4	59.3	61.4	62.9	65.8	66.0	66.2	66.4	66.4	68.1	68.2
GE 1500		43.7	49.3	57.5	60.3	60.6	64.7	68.0	69.4	72.8	73.0	73.2	73.4	73.4	75.1	75.2
GE 1200		45.3	51.2	60.4	63.6	64.2	68.8	72.2	73.7	77.8	77.9	78.2	78.4	78.4	80.1	80.2
GE 1000		46.4	52.9	63.1	66.9	67.6	73.1	76.9	78.4	82.9	83.0	83.3	83.5	83.5	85.2	85.3
GE 900		47.1	53.9	64.1	68.0	68.8	74.9	78.8	80.3	85.1	85.2	85.4	85.6	85.6	87.3	87.4
GE 800		47.8	54.6	65.1	69.2	70.0	76.6	81.0	82.7	87.9	88.0	88.3	88.5	88.5	90.2	90.3
GE 700		47.8	54.6	65.4	69.4	70.2	76.9	81.5	83.2	88.8	89.1	89.3	89.6	89.6	91.2	91.3
GE 600		47.8	54.6	65.4	69.4	70.2	77.0	82.0	83.6	89.3	89.6	89.8	90.0	90.0	91.7	91.8
GE 500		47.8	54.6	65.5	69.5	70.3	77.5	82.6	84.3	90.9	91.1	91.3	91.6	91.6	93.2	93.4
GE 400		47.8	54.6	65.5	69.8	70.6	77.7	82.8	84.6	91.5	91.7	91.9	92.2	92.2	94.2	94.3
GE 300		47.8	54.6	65.5	69.8	70.6	77.7	82.8	84.6	91.8	92.2	92.5	92.8	93.0	95.1	95.5
GE 200		47.8	54.6	65.5	69.8	70.6	77.7	82.9	84.7	92.4	92.8	93.2	93.5	94.0	96.6	96.9
GE 100		47.8	54.6	65.5	69.8	70.6	77.7	82.9	84.7	92.6	93.1	93.6	93.8	94.7	97.4	98.7
GE 0		47.8	54.6	65.5	69.8	70.6	77.7	82.9	84.7	92.9	93.4	93.8	94.1	95.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 443

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: FEB HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	8.8	12.1	15.2	17.5	17.8	19.8	21.0	22.7	24.5	25.2	25.4	25.5	25.5	25.7	25.9	
GE 20000	10.0	13.7	17.2	19.7	19.9	22.2	23.7	25.5	27.5	28.4	28.6	28.7	28.7	28.9	29.3	
GE 18000	10.1	13.9	17.3	19.8	20.0	22.3	23.8	25.6	27.7	28.7	28.8	28.9	29.0	29.3	29.6	
GE 16000	10.1	13.9	17.3	19.8	20.0	22.3	23.8	25.6	27.7	28.7	28.8	28.9	29.0	29.3	29.6	
GE 14000	10.1	13.9	17.3	19.8	20.0	22.3	23.8	25.6	27.7	28.7	28.8	28.9	29.0	29.3	29.6	
GE 12000	10.3	14.1	17.5	20.0	20.3	22.5	24.1	25.8	28.0	28.9	29.0	29.1	29.3	29.5	29.9	
GE 10000	11.1	15.3	18.7	21.2	21.4	23.8	25.6	27.4	29.5	30.5	30.6	30.7	30.8	31.0	31.4	
GE 9000	11.1	15.3	18.7	21.2	21.4	23.8	25.7	27.5	29.6	30.6	30.7	30.8	30.9	31.2	31.5	
GE 8000	12.3	16.8	21.2	23.8	24.1	26.4	28.7	30.5	32.8	33.8	33.9	34.0	34.1	34.4	34.7	
GE 7000	12.7	17.4	22.3	24.9	25.1	27.5	29.7	31.5	33.9	34.8	35.0	35.1	35.2	35.4	35.8	
GE 6000	12.7	17.4	22.3	24.9	25.1	27.5	29.7	31.5	33.9	34.8	35.0	35.1	35.2	35.4	35.8	
GE 5000	13.5	18.2	23.2	25.8	26.1	28.4	30.7	32.5	34.8	35.8	35.9	36.0	36.1	36.4	36.7	
GE 4500	13.7	18.5	23.7	26.7	27.0	29.4	31.6	33.4	35.8	36.7	36.8	37.0	37.1	37.3	37.7	
GE 4000	15.6	20.4	25.8	29.1	29.6	32.2	34.5	36.3	38.7	39.7	39.8	39.9	40.2	40.4	40.8	
GE 3500	17.4	22.4	28.0	31.6	32.2	35.1	37.7	39.6	42.3	43.2	43.4	43.5	43.7	44.0	44.3	
GE 3000	21.1	26.7	33.6	37.9	38.6	41.9	44.7	46.7	50.0	51.1	51.3	51.4	51.7	52.0	52.4	
GE 2500	25.0	30.8	38.4	43.0	43.8	47.3	50.2	52.3	55.7	56.9	57.1	57.2	57.5	57.8	58.2	
GE 2000	27.7	34.5	42.4	47.7	48.6	52.1	55.2	57.2	60.7	61.8	62.1	62.2	62.4	62.8	63.2	
GE 1800	28.3	35.2	43.6	49.2	50.0	53.6	56.6	58.8	62.3	63.5	63.7	63.9	64.1	64.5	64.8	
GE 1500	31.5	38.7	48.7	54.9	55.8	59.6	63.0	65.3	69.4	70.7	71.0	71.1	71.3	71.8	72.2	
GE 1200	33.8	41.8	53.1	60.0	61.6	65.4	69.1	71.7	76.3	77.6	77.8	78.0	78.2	78.7	79.0	
GE 1000	34.8	43.4	55.2	62.6	64.2	68.6	72.9	76.2	81.5	82.8	83.2	83.3	83.5	84.0	84.4	
GE 900	35.2	43.7	55.7	63.6	65.8	70.1	74.6	78.0	83.8	85.1	85.4	85.8	86.0	86.5	86.8	
GE 800	35.5	44.5	56.9	65.2	67.4	72.2	76.8	80.3	86.6	88.2	88.5	89.0	89.3	89.9	90.3	
GE 700	35.5	44.5	57.0	65.6	67.9	72.7	77.8	81.6	88.3	89.9	90.3	90.8	91.2	91.8	92.2	
GE 600	35.5	44.5	57.1	66.1	68.4	73.2	78.4	82.5	89.5	91.6	91.9	92.4	93.0	93.6	94.0	
GE 500	35.5	44.5	57.1	66.1	68.4	73.3	78.6	82.9	90.0	92.2	92.5	93.1	93.8	94.4	94.8	
GE 400	35.5	44.5	57.1	66.2	68.5	73.5	78.7	83.1	90.4	92.5	93.0	93.6	94.5	95.1	95.5	
GE 300	35.5	44.5	57.1	66.2	68.5	73.5	78.7	83.2	90.6	92.8	93.2	93.8	94.8	95.4	96.1	
GE 200	35.5	44.5	57.1	66.2	68.5	73.5	78.8	83.3	91.2	93.6	94.1	94.9	96.3	97.3	98.3	
GE 100	35.5	44.5	57.1	66.2	68.5	73.5	78.8	83.3	91.4	93.7	94.2	95.0	96.8	98.1	100.0	
GE 0	35.5	44.5	57.1	66.2	68.5	73.5	78.8	83.3	91.4	93.7	94.2	95.0	96.8	98.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 844

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: FEB HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3
NO CEIL		14.8	16.0	20.4	22.7	23.1	24.4	26.1	26.5	27.5	27.5	27.7	27.7	27.7	27.8	27.8
GE 20000		17.3	18.8	23.8	26.3	26.8	28.3	30.3	30.8	31.8	31.8	32.0	32.0	32.0	32.1	32.1
GE 18000		17.4	19.0	23.9	26.4	26.9	28.4	30.5	30.9	31.9	31.9	32.1	32.1	32.1	32.2	32.2
GE 16000		17.4	19.0	23.9	26.4	26.9	28.4	30.5	30.9	31.9	31.9	32.1	32.1	32.1	32.2	32.2
GE 14000		17.4	19.0	23.9	26.4	26.9	28.4	30.5	30.9	31.9	31.9	32.1	32.1	32.1	32.2	32.2
GE 12000		17.4	19.0	23.9	26.4	26.9	28.4	30.6	31.0	32.0	32.0	32.2	32.3	32.5	32.6	32.6
GE 10000		17.8	19.3	24.3	26.8	27.3	28.8	30.9	31.4	32.3	32.3	32.6	32.7	32.8	32.9	32.9
GE 9000		17.9	19.4	24.5	27.1	27.6	29.1	31.3	31.8	32.7	32.7	32.9	33.1	33.2	33.3	33.3
GE 8000		19.9	21.4	26.7	29.6	30.1	31.9	34.0	34.6	35.5	35.5	35.9	36.1	36.4	36.5	36.5
GE 7000		20.4	22.0	27.8	30.9	31.4	33.3	35.4	36.0	37.0	37.0	37.3	37.6	37.8	37.9	37.9
GE 6000		20.5	22.2	28.0	31.0	31.5	33.4	35.5	36.1	37.1	37.1	37.4	37.7	37.9	38.0	38.0
GE 5000		22.2	23.9	30.1	33.4	33.9	35.4	38.0	38.6	39.6	39.6	39.9	40.2	40.4	40.5	40.5
GE 4500		23.9	25.8	32.1	35.4	36.0	37.9	40.2	40.8	41.7	41.7	42.1	42.3	42.5	42.7	42.7
GE 4000		25.7	27.8	34.6	38.4	39.0	41.1	43.4	44.1	45.0	45.0	45.4	45.6	45.9	46.0	46.0
GE 3500		28.1	30.2	37.1	41.0	41.6	43.7	46.0	46.7	47.6	47.6	48.1	48.3	48.6	48.7	48.7
GE 3000		32.5	34.6	42.7	47.4	48.1	50.4	52.7	53.9	55.2	55.5	55.9	56.4	56.6	56.8	56.8
GE 2500		36.0	38.2	46.7	51.7	52.4	55.0	57.3	58.5	60.0	60.1	60.5	61.0	61.3	61.4	61.4
GE 2000		39.9	42.4	51.1	56.0	56.9	59.7	62.1	63.4	65.2	65.5	66.1	66.6	66.8	66.9	66.9
GE 1800		40.9	43.4	52.3	57.3	58.2	61.0	63.5	64.8	66.6	67.1	67.7	68.1	68.4	68.5	68.5
GE 1500		43.5	46.0	56.2	63.2	64.5	67.5	70.3	71.8	73.8	74.4	75.2	75.8	76.2	76.3	76.3
GE 1200		46.9	49.9	61.3	69.7	71.3	74.6	77.5	79.3	81.4	82.0	82.8	83.4	83.8	83.9	83.9
GE 1000		47.3	50.4	62.3	72.4	74.2	77.5	80.6	82.3	85.5	86.1	87.2	87.8	88.2	88.3	88.3
GE 900		47.7	50.9	63.2	73.5	75.2	78.6	81.6	83.4	86.7	87.3	88.4	89.0	89.3	89.5	89.5
GE 800		48.2	51.7	64.5	75.1	76.9	80.7	84.0	85.9	89.9	90.5	91.6	92.2	92.5	92.8	92.8
GE 700		46.2	51.7	64.8	75.8	77.7	81.8	85.2	87.4	92.1	92.7	93.7	94.3	94.7	94.9	94.9
GE 600		48.2	51.7	64.9	75.9	77.8	81.9	85.5	88.2	93.0	93.7	94.8	95.4	95.7	96.0	96.0
GE 500		48.2	51.7	64.9	75.9	77.8	81.9	86.0	88.7	93.8	94.9	96.3	96.9	97.3	97.5	97.5
GE 400		48.2	51.7	64.9	75.9	77.8	81.9	86.1	88.9	94.2	95.4	96.9	97.5	97.9	98.1	98.1
GE 300		48.2	51.7	64.9	75.9	77.8	81.9	86.1	89.2	94.5	95.9	97.7	98.3	98.8	99.1	99.1
GE 200		48.2	51.7	64.9	75.9	77.8	81.9	86.1	89.3	95.0	96.4	98.3	98.9	99.5	99.8	99.9
GE 100		48.2	51.7	64.9	75.9	77.8	81.9	86.1	89.3	95.0	96.4	98.3	98.9	99.5	99.8	100.0
GE 0		48.2	51.7	64.9	75.9	77.8	81.9	86.1	89.3	95.0	96.4	98.3	98.9	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 844

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: FEB HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	3	2
NO CEIL		21.2	22.8	28.7	30.6	30.6	31.0	31.2	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 20000		25.9	27.8	34.3	36.4	36.4	36.9	37.1	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 18000		26.2	28.1	34.6	36.8	36.8	37.2	37.5	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 16000		26.5	28.4	34.9	37.0	37.0	37.5	37.7	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 14000		26.7	28.6	35.1	37.2	37.2	37.7	37.9	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 12000		27.3	29.2	35.8	39.1	38.1	38.5	38.8	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 10000		27.8	29.8	36.5	38.8	38.8	39.2	39.5	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 9000		27.9	29.9	36.8	39.2	39.2	39.8	40.1	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 8000		29.9	32.0	39.1	41.8	41.8	42.4	42.7	42.9	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3
GE 7000		30.6	32.9	40.4	43.1	43.1	43.7	44.0	44.2	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7
GE 6000		30.9	33.2	40.8	43.5	43.5	44.1	44.3	44.6	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0
GE 5000		32.0	34.5	42.2	44.9	44.9	45.5	45.7	46.0	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5
GE 4500		33.1	35.6	43.3	46.0	46.0	46.6	46.8	47.0	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6
GE 4000		34.5	37.0	45.0	47.9	47.9	48.5	48.7	48.9	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5
GE 3500		38.3	40.9	49.2	52.1	52.1	52.7	53.0	53.2	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8
GE 3000		44.4	47.6	57.0	60.9	60.9	61.8	62.1	62.6	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7
GE 2500		47.0	51.2	61.1	65.1	65.1	66.1	66.3	66.9	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0
GE 2000		49.8	54.0	64.7	69.1	69.1	70.3	70.7	71.3	72.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5
GE 1800		50.6	55.3	66.1	71.0	71.0	72.2	72.6	73.2	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3
GE 1500		53.3	58.2	70.9	76.4	76.4	78.5	79.4	80.0	81.1	81.2	81.6	81.6	81.7	81.7	81.7	81.7
GE 1200		55.0	60.0	74.1	81.8	81.8	84.6	85.8	86.4	87.7	87.9	88.3	88.3	88.4	88.4	88.4	88.4
GE 1000		56.1	61.5	76.0	85.2	85.5	88.9	90.1	91.0	92.7	92.9	93.4	93.4	93.5	93.5	93.5	93.5
GE 900		56.4	61.7	76.2	85.7	85.9	89.4	90.5	91.5	93.3	93.5	94.0	94.0	94.1	94.1	94.1	94.1
GE 800		56.5	61.9	76.8	87.0	87.2	90.7	91.8	92.8	95.2	95.4	95.9	95.9	96.0	96.1	96.1	96.1
GE 700		56.5	62.1	77.1	87.6	88.1	91.6	92.8	94.1	96.9	97.3	97.8	97.8	97.9	98.0	98.0	98.0
GE 600		56.5	62.1	77.1	87.8	88.4	92.0	93.1	94.4	97.4	97.8	98.3	98.5	98.6	98.7	98.7	98.7
GE 500		56.5	62.1	77.1	87.8	88.4	92.0	93.4	94.7	98.0	98.6	99.2	99.3	99.4	99.5	99.5	99.5
GE 400		56.5	62.1	77.1	87.8	88.4	92.0	93.4	94.8	98.3	98.9	99.5	99.6	99.8	99.9	99.9	99.9
GE 300		56.5	62.1	77.1	87.8	88.4	92.0	93.4	94.8	98.3	99.1	99.6	99.8	99.9	100.0	100.0	100.0
GE 200		56.5	62.1	77.1	87.8	88.4	92.0	93.4	94.8	98.3	99.1	99.6	99.8	99.9	100.0	100.0	100.0
GE 100		56.5	62.1	77.1	87.8	88.4	92.0	93.4	94.8	98.3	99.1	99.6	99.8	99.9	100.0	100.0	100.0
GE 0		56.5	62.1	77.1	87.8	88.4	92.0	93.4	94.8	98.3	99.1	99.6	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-81
MONTH: FEB HOURS(IST): 1800-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GL 17	GL 10	GE 8	GL 5	GE 4	GE 0
NO CEIL	I	21.7	23.4	28.5	31.0	31.3	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
GE 20000	I	26.5	28.5	34.8	37.6	38.1	39.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 18000	I	26.7	28.7	35.0	37.8	38.3	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 16000	I	27.0	29.0	35.2	38.1	38.5	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 14000	I	27.3	29.3	35.6	39.4	38.9	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 12000	I	27.8	29.8	36.1	38.9	39.4	40.4	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 10000	I	28.8	30.9	37.4	40.2	40.7	41.7	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 9000	I	29.2	31.2	37.9	40.9	41.4	42.4	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 8000	I	31.9	34.0	41.0	44.6	45.0	46.1	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 7000	I	32.9	35.2	42.4	46.0	46.5	47.5	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 6000	I	33.0	35.3	42.6	46.1	46.6	47.6	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 5000	I	35.7	38.4	45.7	49.5	50.0	51.1	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 4500	I	37.1	39.4	47.3	51.2	51.7	52.7	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 4000	I	38.3	41.1	48.8	53.1	53.5	54.7	55.0	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 3500	I	40.4	43.7	51.8	56.1	56.6	57.8	58.2	58.3	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 3000	I	44.9	49.1	58.2	63.4	63.9	65.2	66.0	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 2500	I	48.6	53.2	63.1	68.7	69.3	70.7	71.4	71.5	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 2000	I	50.9	55.7	66.5	72.7	73.3	75.3	76.5	76.6	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 1800	I	52.2	57.1	68.4	75.1	75.7	78.1	79.3	79.4	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 1500	I	54.5	59.6	72.0	79.3	79.9	82.9	84.0	84.2	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3
GE 1200	I	55.2	60.5	73.3	81.9	83.1	86.4	87.6	87.9	89.4	89.7	89.8	89.8	89.8	90.1	90.1	90.1
GE 1000	I	55.8	61.7	74.6	83.9	85.1	89.0	90.5	90.9	92.6	92.9	93.0	93.0	93.3	93.3	93.3	93.3
GE 900	I	56.0	61.9	75.1	85.1	86.3	90.2	91.7	92.3	94.0	94.3	94.4	94.4	94.7	94.7	94.7	94.7
GE 800	I	56.1	62.2	75.8	86.2	87.6	91.6	93.1	94.0	96.1	96.5	96.6	96.6	96.8	96.8	96.8	96.8
GE 700	I	56.1	62.2	75.8	86.5	88.3	92.3	93.9	94.7	96.8	97.2	97.4	97.5	97.8	97.8	97.8	97.8
GE 600	I	56.1	62.2	75.8	86.5	88.3	92.3	94.0	95.0	97.3	97.6	98.0	98.1	98.3	98.3	98.3	98.3
GE 500	I	56.1	62.2	75.8	86.5	88.3	92.3	94.3	95.4	98.3	98.7	99.1	99.2	99.4	99.4	99.4	99.4
GE 400	I	56.1	62.2	75.8	86.5	88.3	92.3	94.3	95.4	98.3	98.7	99.2	99.3	99.5	99.5	99.5	99.5
GE 300	I	56.1	62.2	75.8	86.5	88.3	92.3	94.3	95.4	98.5	99.1	99.5	99.6	99.9	99.9	99.9	99.9
GE 200	I	56.1	62.2	75.8	86.5	88.3	92.3	94.3	95.4	98.5	99.1	99.5	99.6	99.9	99.9	99.9	99.9
GE 100	I	56.1	62.2	75.8	86.5	88.3	92.3	94.3	95.4	98.5	99.1	99.5	99.6	100.0	100.0	100.0	100.0
GE 0	I	56.1	62.2	75.8	86.5	88.3	92.3	94.3	95.4	98.5	99.1	99.5	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: FEB HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 9	GE 5	GE 4	GE 0
NO CEIL	24.8	26.2	31.6	34.4	35.0	36.4	37.8	38.2	38.8	38.9	39.1	39.4	39.7	39.7	40.0	
GE 10000	27.2	28.8	34.3	37.2	37.9	39.5	41.1	41.5	42.1	42.2	42.4	42.7	43.0	43.1	43.4	
GE 18000	27.2	28.8	34.3	37.2	37.9	39.5	41.1	41.5	42.1	42.2	42.4	42.7	43.0	43.1	43.4	
GE 16000	27.3	29.0	34.4	37.4	38.1	39.6	41.3	41.6	42.2	42.3	42.6	42.8	43.1	43.3	43.5	
GE 14000	27.5	29.2	34.6	37.6	38.3	39.8	41.5	41.8	42.4	42.6	42.8	43.0	43.4	43.5	43.7	
GE 12000	27.8	29.4	34.9	37.8	38.5	40.1	41.7	42.1	42.7	42.8	43.0	43.3	43.6	43.7	44.0	
GE 10000	28.5	30.1	35.6	38.5	39.4	41.0	42.7	43.0	43.6	43.7	44.0	44.2	44.6	44.7	44.9	
GE 9000	28.8	30.6	36.3	39.2	40.2	41.8	43.5	43.9	44.4	44.6	44.8	45.0	45.4	45.5	45.7	
GE 8000	30.0	32.0	37.7	40.8	41.7	43.4	45.3	45.6	46.2	46.3	46.6	46.8	47.2	47.3	47.5	
GE 7000	31.0	33.0	38.7	41.7	42.7	44.3	46.2	46.6	47.2	47.3	47.5	47.8	48.1	48.2	48.5	
GE 6000	31.0	33.0	38.7	41.7	42.7	44.3	46.2	46.6	47.2	47.3	47.5	47.8	48.1	48.2	48.5	
GE 5000	32.5	34.5	40.3	44.0	44.9	46.6	48.5	48.8	49.5	49.6	49.9	50.1	50.5	50.6	50.8	
GE 4500	34.5	36.5	42.7	46.3	47.3	49.1	51.1	51.5	52.2	52.4	52.6	52.8	53.2	53.3	53.5	
GE 4000	37.6	40.0	46.2	49.9	50.8	52.7	54.7	55.3	56.0	56.1	56.4	56.6	57.0	57.1	57.3	
GE 3500	40.1	42.7	50.0	53.8	54.7	56.6	58.6	59.2	59.9	60.2	60.4	60.6	61.0	61.1	61.3	
GE 3000	45.0	48.3	55.9	59.7	60.6	62.8	64.9	65.5	66.3	66.5	66.8	67.0	67.4	67.5	67.7	
GE 2500	46.5	50.5	59.1	62.9	63.9	66.3	68.6	69.1	70.1	70.3	70.6	70.8	71.2	71.3	71.5	
GE 2000	48.1	52.6	61.9	66.5	67.6	70.4	73.4	74.0	75.4	75.7	75.9	76.1	76.5	76.8	77.1	
GE 1800	49.1	53.5	62.9	68.0	69.0	71.9	74.8	75.4	76.8	77.1	77.3	77.5	77.9	78.3	78.5	
GE 1500	51.5	56.3	66.8	72.7	73.9	77.2	80.4	81.0	82.7	83.1	83.6	83.8	84.2	84.5	84.8	
GE 1200	53.1	57.9	68.7	75.3	77.3	81.0	84.8	85.3	87.2	87.6	88.1	88.3	88.7	89.0	89.2	
GE 1000	53.9	58.9	69.9	76.8	79.3	83.1	87.8	88.4	90.5	90.9	91.4	91.6	92.0	92.3	92.6	
GE 900	53.9	58.9	70.2	77.4	79.9	83.7	88.4	89.0	91.3	91.6	92.1	92.3	92.7	93.0	93.3	
GE 800	54.3	59.3	71.0	78.3	80.6	84.6	89.7	90.3	92.9	93.3	93.7	94.0	94.3	94.7	94.9	
GE 700	54.3	59.5	71.3	78.7	81.8	85.9	91.0	91.6	94.6	94.9	95.5	95.7	96.1	96.5	96.7	
GE 600	54.3	59.5	71.4	79.1	82.2	86.5	91.8	92.4	96.0	96.3	96.9	97.2	97.5	97.9	98.1	
GE 500	54.3	59.5	71.4	79.1	82.3	86.9	92.2	92.9	96.8	97.2	98.0	98.2	98.6	98.9	99.2	
GE 400	54.3	59.5	71.4	79.1	82.3	86.9	92.3	93.0	97.3	97.6	98.5	98.7	99.1	99.4	99.6	
GE 300	54.3	59.5	71.4	79.1	82.3	86.9	92.3	93.0	97.4	97.8	98.6	98.8	99.2	99.5	99.8	
GE 200	54.3	59.5	71.4	79.1	82.3	86.9	92.3	93.0	97.4	97.8	98.6	98.8	99.2	99.5	99.8	
GE 100	54.3	59.5	71.4	79.1	82.3	86.9	92.3	93.0	97.4	97.8	98.6	98.8	99.2	99.5	100.0	
GE 01	54.3	59.5	71.4	79.1	82.3	86.9	92.3	93.0	97.4	97.8	98.6	98.8	99.2	99.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: FEB HOURS(IST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 70	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL			18.2	20.3	24.7	26.8	27.3	28.5	29.7	30.3	31.8	31.9	32.0	32.2	32.4	33.0	33.2
GE 20000			20.8	23.2	28.0	30.1	30.8	32.1	33.4	34.0	35.5	35.7	35.8	36.0	36.2	36.8	37.1
GE 18000			20.9	23.3	28.1	30.3	30.9	32.2	33.5	34.1	35.7	35.9	35.9	36.1	36.3	37.0	37.2
GE 16000			20.9	23.3	28.1	30.3	30.9	32.2	33.6	34.2	35.7	35.9	36.0	36.2	36.4	37.1	37.3
GE 14000			21.1	23.4	28.2	30.4	31.0	32.3	33.7	34.3	35.8	36.0	36.1	36.3	36.5	37.2	37.4
GE 12000			21.3	23.7	28.5	30.7	31.3	32.6	34.0	34.6	36.1	36.3	36.4	36.6	36.8	37.5	37.7
GE 10000			21.9	24.4	29.2	31.4	32.1	33.5	34.8	35.5	37.0	37.2	37.3	37.5	37.7	38.4	38.6
GE 9000			22.1	24.6	29.6	31.9	32.6	34.0	35.4	36.1	37.6	37.8	37.9	38.1	38.3	39.0	39.2
GE 8000			23.5	26.2	31.5	34.0	34.7	36.1	37.7	38.4	40.0	40.2	40.3	40.5	40.8	41.5	41.7
GE 7000			24.1	26.8	32.4	34.9	35.6	37.0	38.6	39.3	40.9	41.1	41.2	41.5	41.7	42.4	42.6
GE 6000			24.1	26.9	32.4	35.0	35.7	37.1	38.7	39.4	41.0	41.2	41.3	41.6	41.8	42.5	42.7
GE 5000			25.5	28.3	34.0	36.7	37.4	38.9	40.5	41.1	42.9	43.0	43.1	43.4	43.6	44.3	44.5
GE 4500			27.3	30.1	36.1	38.9	39.6	41.1	42.8	43.5	45.3	45.4	45.5	45.8	46.1	46.8	47.0
GE 4000			29.6	32.7	39.0	42.0	42.8	44.4	46.2	46.9	48.8	48.9	49.0	49.3	49.6	50.3	50.5
GE 3500			32.0	35.2	41.8	45.0	45.7	47.5	49.3	50.0	52.0	52.2	52.3	52.6	52.9	53.6	53.7
GE 3000			36.7	40.5	48.1	51.6	52.5	54.4	56.3	57.2	59.4	59.7	59.9	60.1	60.5	61.2	61.4
GE 2500			40.1	44.3	52.4	56.1	56.9	59.0	61.1	62.0	64.2	64.4	64.6	64.9	65.2	65.9	66.1
GE 2000			42.8	47.4	56.2	60.3	61.2	63.5	65.9	66.8	69.1	69.4	69.7	70.0	70.3	71.0	71.2
GE 1800			43.7	48.4	57.5	61.8	62.7	65.1	67.5	68.4	70.8	71.1	71.3	71.6	71.9	72.7	72.9
GE 1500			46.2	51.2	61.4	66.6	67.6	70.5	73.2	74.2	76.9	77.3	77.6	77.9	78.3	79.1	79.2
GE 1200			48.2	53.5	64.6	70.9	72.3	75.4	78.5	79.6	82.7	83.1	83.5	83.8	84.1	84.9	85.1
GE 1000			49.1	54.8	66.5	73.6	75.1	78.8	82.3	83.6	87.0	87.5	87.9	88.2	88.6	89.3	89.5
GE 900			49.3	55.1	67.0	74.3	76.0	79.8	83.4	84.7	88.3	88.7	89.2	89.5	89.9	90.7	90.9
GE 800			49.6	55.6	67.9	75.5	77.2	81.2	85.0	86.4	90.6	91.1	91.6	91.9	92.3	93.1	93.3
GE 700			49.6	55.6	68.1	75.9	77.8	81.9	85.9	87.4	91.9	92.4	92.9	93.3	93.7	94.5	94.7
GE 600			49.6	55.6	68.2	76.2	78.0	82.2	86.4	88.0	92.8	93.4	93.9	94.2	94.7	95.5	95.7
GE 500			49.6	55.6	68.3	76.3	78.2	82.5	86.9	88.6	93.8	94.5	95.1	95.4	95.9	96.7	96.9
GE 400			49.6	55.6	68.3	76.3	78.3	82.7	87.2	89.0	94.4	95.1	95.7	96.1	96.6	97.5	97.7
GE 300			49.6	55.6	68.3	76.3	78.3	82.7	87.2	89.1	94.7	95.4	96.1	96.5	97.2	98.0	98.3
GE 200			49.6	55.6	68.3	76.3	78.3	82.7	87.3	89.2	95.0	95.8	96.5	96.9	97.7	98.7	99.1
GE 100			49.6	55.6	68.3	76.3	78.3	82.7	87.3	89.2	95.1	95.9	96.6	97.1	98.0	99.0	99.7
GE 0			49.6	55.6	68.3	76.3	76.3	82.7	87.3	89.2	95.1	95.9	96.7	97.1	98.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 6760

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAR HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	27.0	28.4	30.9	32.2	32.3	32.8	33.4	33.8	34.5	34.6	34.9	35.8	36.5	36.7	37.2	
GE 20000	31.8	33.4	36.2	37.7	38.1	38.9	39.8	40.2	41.2	41.3	41.6	42.5	43.1	43.3	43.9	
GE 18000	31.8	33.4	36.3	37.8	38.2	39.0	39.9	40.3	41.3	41.4	41.7	42.6	43.2	43.4	44.0	
GE 16000	31.8	33.4	36.3	37.8	38.2	39.0	39.9	40.3	41.3	41.4	41.7	42.6	43.2	43.4	44.0	
GE 14000	31.8	33.4	36.3	37.8	38.2	39.0	39.9	40.3	41.3	41.4	41.7	42.6	43.2	43.4	44.0	
GE 12000	31.8	33.4	36.3	37.8	38.2	39.0	39.9	40.3	41.6	41.7	42.0	42.9	43.5	43.8	44.3	
GE 10000	33.9	35.7	38.7	40.2	40.5	41.4	42.4	42.8	44.2	44.3	44.6	45.5	46.1	46.3	46.9	
GE 9000	34.3	36.2	39.4	40.9	41.2	42.0	43.0	43.4	44.8	44.9	45.3	46.1	46.8	47.0	47.5	
GE 8000	36.0	38.3	41.7	43.2	43.5	44.4	45.4	45.8	47.2	47.3	47.6	48.5	49.1	49.4	49.9	
GE 7000	36.6	38.8	42.3	43.8	44.1	44.9	45.9	46.3	47.7	47.8	48.2	49.0	49.7	49.9	50.4	
GE 6000	36.8	39.0	42.5	44.0	44.3	45.2	46.1	46.6	48.0	48.1	48.4	49.2	49.9	50.1	50.6	
GE 5000	38.5	40.9	44.6	46.1	46.5	47.4	48.4	48.8	50.2	50.3	50.6	51.5	52.2	52.4	52.9	
GE 4500	43.1	46.0	50.8	52.4	52.7	53.9	54.9	55.4	56.8	56.9	57.2	58.1	58.7	58.9	59.5	
GE 4000	47.5	50.5	55.6	57.3	57.6	59.0	60.4	60.9	62.3	62.4	62.7	63.5	64.2	64.4	64.9	
GE 3500	51.9	55.2	60.4	62.5	62.8	64.2	65.6	66.0	67.5	67.6	68.0	68.8	69.5	69.7	70.2	
GE 3000	56.9	60.3	66.6	68.6	69.0	70.4	71.9	72.4	73.9	74.0	74.3	75.2	75.8	76.0	76.6	
GE 2500	59.9	63.4	70.4	72.5	72.9	74.3	75.8	76.3	77.8	78.0	78.3	79.1	79.8	80.0	80.5	
GE 2000	62.9	66.5	74.7	77.1	77.5	78.9	80.4	81.1	82.7	82.8	83.3	84.2	84.8	85.1	85.6	
GE 1800	63.3	66.9	75.2	77.5	78.2	79.6	81.1	81.7	83.3	83.4	84.0	84.8	85.5	85.7	86.2	
GE 1500	66.1	70.1	79.0	81.4	82.0	83.4	84.9	85.9	87.5	87.6	88.2	89.0	89.7	89.9	90.4	
GE 1200	68.3	72.4	81.6	84.0	84.6	86.0	87.8	88.9	90.5	90.6	91.2	92.0	92.7	92.9	93.4	
GE 1000	70.2	74.4	84.2	86.8	87.5	88.9	90.8	91.9	93.5	93.7	94.2	95.1	95.7	96.1	96.7	
GE 900	70.6	74.8	84.6	87.3	88.1	89.5	91.3	92.5	94.1	94.2	94.7	95.6	96.2	96.7	97.2	
GE 800	70.6	74.8	84.7	87.5	88.3	89.9	91.8	93.0	94.6	94.7	95.3	96.1	96.8	97.2	97.7	
GE 700	70.6	74.8	84.7	87.5	88.3	89.9	91.9	93.2	94.9	95.1	95.6	96.5	97.1	97.5	98.1	
GE 600	70.6	74.9	84.8	87.6	88.4	90.0	92.0	93.3	95.1	95.2	95.7	96.6	97.2	97.6	98.2	
GE 500	70.8	75.1	84.9	87.7	88.5	90.1	92.4	93.7	95.5	95.6	96.1	97.0	97.6	98.1	98.6	
GE 400	70.8	75.1	84.9	87.7	88.5	90.1	92.5	93.8	95.6	95.7	96.2	97.1	97.7	98.2	98.7	
GE 300	70.8	75.2	85.1	87.8	88.6	90.2	93.1	94.5	96.8	96.9	97.4	98.3	98.9	99.4	99.9	
GE 200	70.8	75.2	85.1	87.8	88.6	90.2	93.1	94.8	96.8	96.9	97.4	98.3	98.9	99.4	99.9	
GE 100	70.8	75.2	85.1	87.8	88.6	90.2	93.1	94.8	96.8	96.9	97.4	98.3	99.0	99.5	100.0	
GE 0	70.8	75.2	85.1	87.8	88.6	90.2	93.1	94.8	96.8	96.9	97.4	98.3	99.0	99.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAR HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		24.1	25.3	26.7	27.7	27.8	28.5	28.7	29.0	29.8	29.8	30.0	30.9	31.7	32.2	33.0
GE 20000		28.6	29.9	31.6	32.9	33.2	34.3	34.6	35.3	36.0	36.0	36.2	37.1	38.1	38.5	39.4
GE 18000		28.6	29.9	31.6	32.9	33.2	34.3	34.6	35.3	36.0	36.0	36.2	37.1	38.1	38.5	39.4
GE 16000		28.6	29.9	31.6	32.9	33.2	34.3	34.6	35.3	36.0	36.0	36.2	37.1	38.1	38.5	39.4
GE 14000		28.6	29.9	31.6	32.9	33.2	34.3	34.6	35.3	36.0	36.0	36.2	37.1	38.1	38.5	39.4
GE 12000		28.6	30.0	31.7	33.0	33.3	34.4	34.7	35.4	36.1	36.1	36.3	37.2	38.2	38.6	39.5
GE 10000		29.1	30.5	32.3	33.5	33.9	34.9	35.3	35.9	36.9	36.9	37.1	38.0	39.0	39.6	40.4
GE 9000		29.2	30.6	32.4	33.7	34.0	35.1	35.4	36.0	37.0	37.0	37.2	38.1	39.1	39.7	40.5
GE 8000		30.8	32.2	33.9	35.2	35.6	36.7	37.1	37.7	38.9	38.9	39.1	40.0	41.2	41.7	42.8
GE 7000		31.6	33.0	34.7	36.0	36.5	37.5	38.1	38.7	39.9	39.9	40.1	41.0	42.2	42.7	43.8
GE 6000		31.6	33.0	34.7	36.0	36.5	37.5	38.2	38.8	40.0	40.0	40.2	41.1	42.3	42.8	43.9
GE 5000		33.7	35.1	37.3	38.7	39.1	40.5	41.2	41.8	43.0	43.0	43.2	44.1	45.3	45.8	46.9
GE 4500		37.8	39.4	42.6	44.4	44.9	46.7	47.3	48.0	49.2	49.2	49.5	50.3	51.5	52.0	53.1
GE 4000		41.9	43.5	46.9	48.8	49.4	51.1	51.9	52.8	54.1	54.1	54.3	55.2	56.3	56.9	58.0
GE 3500		44.8	46.7	50.0	52.0	52.6	54.3	55.2	56.0	57.3	57.3	57.5	58.6	59.8	60.4	61.5
GE 3000		49.8	52.4	56.9	59.4	59.9	61.6	62.8	63.8	65.1	65.1	65.4	66.6	67.7	68.4	69.5
GE 2500		53.1	55.7	60.9	63.7	64.5	66.3	67.5	68.5	69.8	69.8	70.1	71.3	72.5	73.1	74.2
GE 2000		56.6	59.4	65.1	68.2	69.1	71.5	72.7	73.7	75.2	75.2	75.5	76.8	78.0	78.6	79.7
GE 1800		57.3	60.1	65.8	68.9	69.9	72.3	73.5	74.5	76.0	76.0	76.3	77.6	78.8	79.5	80.5
GE 1500		60.8	63.9	70.4	74.0	74.9	77.3	78.6	79.7	81.3	81.3	81.6	82.9	84.1	84.7	85.8
GE 1200		65.1	68.4	74.9	78.7	79.7	82.0	83.4	84.5	86.1	86.1	86.5	87.7	88.9	89.6	90.6
GE 1000		66.7	70.1	77.3	81.6	82.7	85.4	86.9	88.1	89.7	89.7	90.0	91.1	92.5	93.1	94.5
GE 900		67.0	70.4	77.6	82.2	83.3	86.1	87.7	88.9	90.5	90.5	90.9	92.2	93.3	94.0	95.4
GE 800		67.2	70.6	77.8	82.7	83.9	87.0	88.7	89.9	91.5	91.5	91.8	93.1	94.3	94.9	96.3
GE 700		67.2	70.6	78.1	82.9	84.1	87.3	89.2	90.8	92.4	92.4	92.7	94.0	95.2	95.8	97.2
GE 600		67.2	70.6	78.1	82.9	84.1	87.5	89.5	91.0	92.6	92.6	92.9	94.2	95.5	96.1	97.5
GE 500		67.2	70.6	78.1	82.9	84.1	87.5	89.5	91.0	92.6	92.6	92.9	94.2	95.7	96.3	97.7
GE 400		67.2	70.6	78.1	82.9	84.1	87.5	89.7	91.2	92.8	92.8	93.1	94.4	95.9	96.6	98.0
GE 300		67.2	70.6	78.1	82.9	84.1	87.5	90.2	91.7	93.3	93.3	93.7	94.9	96.5	97.1	98.8
GE 200		67.2	70.6	78.1	82.9	84.1	87.5	90.2	91.7	93.3	93.3	93.7	95.3	96.9	97.8	99.6
GE 100		67.2	70.6	78.1	82.9	84.1	87.5	90.2	91.7	93.3	93.3	93.7	95.3	96.9	98.0	100.0
GE 0		67.2	70.6	78.1	82.9	84.1	87.5	90.2	91.7	93.3	93.3	93.7	95.3	96.9	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAR HOURS(LST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		17.6	19.9	21.7	22.4	22.5	23.2	24.6	24.8	25.6	25.7	25.7	26.2	26.7	27.4	28.0	
GE 20000		20.8	23.0	24.9	25.6	25.8	27.2	28.8	29.0	30.1	30.5	30.6	31.2	31.7	32.6	33.1	
GE 18000		20.8	23.0	24.9	25.6	25.8	27.2	28.9	29.1	30.2	30.6	30.8	31.3	31.8	32.7	33.2	
GE 16000		20.8	23.0	24.9	25.6	25.8	27.2	28.9	29.1	30.2	30.6	30.8	31.3	31.8	32.7	33.2	
GE 14000		20.8	23.0	24.9	25.6	25.8	27.2	28.9	29.1	30.2	30.6	30.8	31.3	31.8	32.7	33.2	
GE 12000		21.2	23.4	25.4	26.0	26.2	27.6	29.4	29.6	30.6	31.1	31.2	31.7	32.3	33.1	33.7	
GE 10000		21.7	24.1	26.0	26.7	26.9	28.4	30.1	30.3	31.4	31.8	31.9	32.5	33.0	34.1	34.6	
GE 9000		22.0	24.5	26.5	27.1	27.3	28.8	30.5	30.9	31.9	32.4	32.5	33.0	33.5	34.6	35.2	
GE 8000		23.4	25.9	28.2	28.8	29.0	30.5	32.4	33.0	34.3	34.7	34.8	35.5	36.0	37.2	37.7	
GE 7000		23.9	26.3	28.7	29.4	29.6	31.2	33.1	33.8	35.1	35.5	35.6	36.3	36.9	38.1	38.6	
GE 6000		24.2	26.7	29.0	29.7	29.9	31.6	33.5	34.2	35.5	35.9	36.0	36.8	37.3	38.5	39.0	
GE 5000		26.8	29.4	31.8	32.7	32.9	34.6	36.6	37.3	38.6	39.0	39.2	40.2	41.1	42.3	42.8	
GE 4500		30.0	32.8	35.7	36.7	36.9	38.9	40.9	42.0	43.4	43.9	44.1	45.1	46.1	47.5	48.1	
GE 4000		34.1	37.4	40.8	41.9	42.5	44.6	46.9	48.1	49.7	50.1	50.3	51.3	52.5	53.9	54.4	
GE 3500		36.9	40.5	44.0	45.2	45.7	47.8	50.1	51.3	53.0	53.4	53.7	54.6	55.8	57.2	57.7	
GE 3000		40.6	44.4	48.5	49.7	50.2	52.4	54.6	55.8	58.1	58.5	58.7	59.7	60.9	62.3	62.8	
GE 2500		43.7	47.5	52.4	54.1	54.7	57.0	59.4	60.5	62.9	63.3	63.5	64.5	65.7	67.1	67.6	
GE 2000		49.1	53.0	58.7	60.4	61.4	64.5	67.0	68.3	71.0	71.4	71.6	72.6	73.8	75.2	75.7	
GE 1800		50.3	54.2	59.9	61.6	62.6	65.7	68.2	69.5	72.3	72.7	72.9	73.9	75.1	76.5	77.0	
GE 1500		53.4	58.1	64.8	66.8	67.7	71.3	73.9	75.2	78.2	78.6	78.8	79.8	81.1	82.5	83.0	
GE 1200		56.6	61.4	68.2	70.2	71.2	74.8	77.5	78.8	81.9	82.4	82.6	83.5	84.8	86.2	86.8	
GE 1000		58.5	63.8	71.4	73.7	74.6	78.4	81.2	82.7	85.9	86.3	86.6	87.5	88.8	90.2	90.8	
GE 900		58.9	64.2	71.8	74.2	75.2	78.9	81.7	83.2	86.5	86.9	87.2	88.2	89.5	90.9	91.4	
GE 800		59.5	64.8	72.6	75.3	76.2	80.3	83.1	84.6	88.1	88.5	88.8	89.8	91.1	92.5	93.0	
GE 700		59.6	65.1	73.2	75.9	76.9	81.3	84.4	85.9	89.4	89.8	90.1	91.2	92.5	93.9	94.4	
GE 600		59.6	65.1	73.3	76.0	77.1	81.7	84.9	86.6	90.0	90.4	90.8	91.8	93.1	94.5	95.1	
GE 500		59.6	65.1	73.3	76.0	77.1	81.8	85.4	87.0	90.4	90.9	91.5	92.9	94.2	95.6	96.1	
GE 400		59.6	65.1	73.3	76.0	77.1	81.8	85.5	87.1	90.5	91.0	91.6	93.0	94.3	95.7	96.2	
GE 300		59.6	65.1	73.3	76.0	77.1	81.8	85.5	87.1	90.5	91.2	91.8	93.5	94.8	96.2	97.3	
GE 200		59.6	65.1	73.3	76.0	77.1	81.8	85.5	87.1	90.5	91.2	91.9	93.8	95.2	97.5	99.2	
GE 100		59.6	65.1	73.3	76.0	77.1	81.8	85.5	87.1	90.5	91.2	91.9	93.8	95.2	97.6	99.9	
GE	NI	59.6	65.1	73.3	76.0	77.1	81.8	85.5	87.1	90.5	91.2	91.9	93.9	95.3	97.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAR HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE U
NO CEIL	11.2	12.6	15.3	17.9	18.2	18.9	19.8	20.5	21.2	21.2	21.4	21.6	21.9	22.0	22.3	
GE 20000	14.9	17.1	20.7	23.6	23.9	25.2	26.5	27.6	28.6	29.6	29.2	29.5	29.8	29.9	30.2	
GE 18000	15.0	17.2	20.8	23.7	24.0	25.4	26.7	27.8	28.8	28.8	29.4	29.7	30.0	30.1	30.5	
GE 16000	15.0	17.2	20.8	23.7	24.0	25.4	26.7	27.8	28.8	28.8	29.4	29.7	30.0	30.1	30.5	
GE 14000	15.4	17.7	21.2	24.1	24.4	25.8	27.1	28.2	29.3	29.3	29.8	30.1	30.5	30.6	30.9	
GE 12000	15.5	17.8	21.3	24.2	24.5	26.0	27.4	28.5	29.6	29.6	30.1	30.5	30.8	30.9	31.2	
GE 10000	17.5	20.2	23.8	26.8	27.1	28.6	30.0	31.2	32.3	32.3	32.6	33.2	33.5	33.6	33.9	
GE 9000	18.1	21.0	24.5	27.6	27.9	29.5	30.9	32.2	33.4	33.4	33.9	34.2	34.7	34.8	35.1	
GE 8000	19.3	22.4	26.4	29.5	30.0	31.6	33.2	34.7	36.0	36.0	36.5	36.9	37.4	37.5	37.8	
GE 7000	20.3	23.5	27.7	30.8	31.3	33.0	34.8	36.4	37.9	37.9	38.4	38.9	39.3	39.4	39.7	
GE 6000	20.8	23.9	28.2	31.3	31.9	33.6	35.3	36.9	38.4	38.4	39.0	39.4	39.8	39.9	40.3	
GE 5000	21.7	25.0	29.5	32.6	33.2	35.0	36.9	38.5	40.3	40.4	40.9	41.3	41.8	41.9	42.2	
GE 4500	24.4	27.9	32.6	35.8	36.4	38.3	40.4	42.2	44.1	44.2	44.9	45.3	46.0	46.2	46.7	
GE 4000	26.2	29.9	35.1	38.3	38.9	40.9	43.1	44.9	46.9	47.4	48.1	48.5	49.2	49.4	49.9	
GE 3500	29.5	34.0	39.3	42.5	43.1	45.1	47.4	49.3	51.6	52.0	52.7	53.2	53.8	54.0	54.6	
GE 3000	34.1	39.4	45.4	48.9	49.4	51.6	54.0	56.0	58.4	58.9	59.6	60.1	60.7	60.9	61.5	
GE 2500	36.3	41.7	48.2	52.1	52.7	54.9	57.4	59.3	61.8	62.2	63.0	63.4	64.0	64.3	64.8	
GE 2000	40.9	47.0	54.3	58.8	59.4	62.0	64.5	66.4	69.3	69.8	70.5	70.9	71.6	71.8	72.3	
GE 1800	42.1	48.3	55.8	60.6	61.2	63.8	66.4	68.4	71.4	71.8	72.6	73.0	73.6	73.8	74.4	
GE 1500	46.3	52.7	61.1	67.2	67.8	70.6	73.3	75.5	78.7	79.1	79.9	80.3	80.9	81.2	81.7	
GE 1200	48.5	55.1	64.0	70.6	71.5	74.4	77.2	79.3	82.6	83.0	83.7	84.2	84.8	85.0	85.6	
GE 1000	49.6	56.3	65.8	72.8	73.7	77.0	79.9	82.1	86.3	86.8	87.5	87.9	88.6	88.8	89.5	
GE 900	50.2	56.9	66.7	74.1	75.0	78.5	81.6	83.9	88.1	88.5	89.2	89.7	90.4	90.6	91.3	
GE 800	50.3	57.1	66.8	74.3	75.3	78.9	82.2	84.5	88.9	89.3	90.1	90.5	91.6	91.8	92.5	
GE 700	50.9	57.9	67.7	75.5	76.6	80.3	83.9	86.2	90.7	91.3	92.1	92.7	93.8	94.0	94.6	
GE 600	50.9	57.9	67.7	75.6	76.7	80.7	84.3	86.7	91.5	92.0	92.9	93.4	94.5	94.7	95.4	
GE 500	50.9	57.9	67.7	75.6	76.9	80.9	84.5	86.9	92.0	92.6	93.4	94.0	95.0	95.3	95.9	
GE 400	50.9	57.9	67.7	75.6	76.9	80.9	84.8	87.4	92.8	93.3	94.2	94.7	95.8	96.0	96.7	
GE 300	50.9	57.9	67.7	75.6	76.9	80.9	84.8	87.4	93.0	93.8	94.7	95.3	96.4	96.8	97.5	
GE 200	50.9	57.9	67.7	75.6	76.9	80.9	84.8	87.4	93.3	94.1	95.0	95.7	97.0	97.8	99.4	
GE 100	50.9	57.9	67.7	75.6	76.9	80.9	84.8	87.4	93.3	94.1	95.0	95.7	97.1	98.1	99.9	
GE NI	50.9	57.9	67.7	75.6	76.9	80.9	84.8	87.4	93.3	94.1	95.0	95.7	97.1	98.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAR HOURS (LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4
NO CEIL	15.7	17.0	18.9	20.6	20.6	21.2	21.4	21.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7
GE 20000	21.9	24.1	27.0	29.5	29.5	30.3	30.6	30.9	31.1	31.1	31.1	31.1	31.1	31.1	31.1
GE 18000	22.3	24.5	27.4	29.9	29.9	30.8	31.1	31.3	31.5	31.5	31.5	31.5	31.5	31.5	31.5
GE 16000	22.4	24.6	27.5	30.0	30.0	30.9	31.2	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 14000	22.6	24.9	27.6	30.3	30.3	31.2	31.5	31.7	31.9	31.9	31.9	31.9	31.9	31.9	31.9
GE 12000	22.8	25.3	28.3	30.8	30.8	31.6	31.9	32.2	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 10000	24.2	26.8	29.8	32.4	32.4	33.2	33.5	33.8	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 9000	24.8	27.4	30.4	33.0	33.0	33.9	34.3	34.5	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 8000	25.7	29.1	32.6	35.7	35.8	36.7	37.1	37.3	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 7000	26.8	30.3	33.8	36.9	37.0	37.8	38.3	38.5	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 6000	27.1	30.6	34.1	37.2	37.3	38.2	38.6	38.8	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 5000	28.1	31.6	35.2	38.5	38.6	39.5	39.9	40.1	40.6	40.6	40.8	40.8	40.8	40.8	40.8
GE 4500	30.1	33.8	37.3	41.0	41.1	42.0	42.8	43.2	43.8	43.8	43.9	43.9	43.9	43.9	43.9
GE 4000	32.4	36.5	40.2	44.0	44.1	45.1	45.8	46.2	47.1	47.1	47.2	47.2	47.2	47.2	47.2
GE 3500	37.4	42.3	46.8	50.5	50.6	51.6	52.4	52.8	53.7	53.7	53.8	53.8	53.8	53.8	53.8
GE 3000	47.3	52.4	57.6	61.5	61.6	62.7	63.5	64.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2
GE 2500	51.1	56.5	62.0	65.9	66.0	67.2	68.1	68.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7
GE 2000	56.2	61.8	67.6	72.0	72.2	73.3	74.2	74.6	75.8	75.8	75.9	75.9	75.9	75.9	75.9
GE 1800	57.3	63.0	69.7	74.1	74.2	75.4	76.2	76.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0
GE 1500	62.5	68.3	76.2	81.7	82.0	83.3	84.2	84.6	86.1	86.1	86.2	86.3	86.3	86.3	86.3
GE 1200	64.8	70.9	79.7	85.3	85.6	86.9	87.8	88.5	90.3	90.3	90.4	90.5	90.5	90.5	90.5
GE 1000	65.8	71.8	81.2	87.1	87.6	89.0	90.3	91.0	93.1	93.1	93.3	93.4	93.4	93.4	93.4
GE 900	65.9	71.9	81.4	87.7	88.3	89.9	91.3	91.9	94.3	94.3	94.5	94.6	94.6	94.6	94.6
GE 800	66.0	72.4	81.8	88.4	89.1	91.0	92.5	93.1	95.6	95.7	95.9	96.1	96.1	96.1	96.1
GE 700	66.7	73.0	82.5	89.1	89.9	91.8	93.8	94.5	97.1	97.2	97.4	97.6	97.6	97.6	97.6
GE 600	66.7	73.0	82.5	89.1	89.9	91.9	94.3	95.3	98.3	98.4	98.6	98.8	98.8	98.8	98.8
GE 500	66.7	73.0	82.5	89.1	90.0	92.0	94.4	95.4	98.5	98.7	98.9	99.1	99.1	99.1	99.1
GE 400	66.7	73.0	82.5	89.1	90.0	92.0	94.4	95.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4
GE 300	66.7	73.0	82.5	89.1	90.0	92.2	94.5	95.7	99.0	99.5	99.8	100.0	100.0	100.0	100.0
GE 200	66.7	73.0	82.5	89.1	90.0	92.2	94.5	95.7	99.0	99.5	99.8	100.0	100.0	100.0	100.0
GE 100	66.7	73.0	82.5	89.1	90.0	92.2	94.5	95.7	99.0	99.5	99.8	100.0	100.0	100.0	100.0
GE 0	66.7	73.0	82.5	89.1	90.0	92.2	94.5	95.7	99.0	99.5	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAR HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN	FEET	GT 160	GE 90	GL 80	GF 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		20.6	21.5	23.2	24.1	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
GE 20000		29.2	30.6	32.9	34.2	34.3	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
GE 18000		29.8	31.2	33.4	34.7	34.8	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 16000		29.8	31.3	33.5	34.8	34.9	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GE 14000		30.3	31.9	34.2	35.5	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 12000		31.4	33.0	35.3	36.6	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
GE 10000		33.0	34.8	37.4	38.7	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 9000		33.3	35.4	38.0	39.2	39.4	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 8000		35.2	37.6	40.5	41.9	42.3	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.7	42.7	42.7
GE 7000		36.0	38.7	41.6	43.1	43.4	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9
GE 6000		36.3	39.0	41.9	43.4	43.8	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.2	44.2	44.2
GE 5000		38.4	41.1	44.3	45.8	46.1	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.6	46.6	46.6
GE 4500		40.8	43.4	47.0	48.7	49.0	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5
GE 4000		43.9	47.0	50.5	52.4	52.7	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.3	53.3	53.3
GE 3500		49.8	53.1	57.4	59.2	59.6	59.8	60.0	60.1	60.1	60.1	60.1	60.1	60.2	60.2	60.2
GE 3000		61.8	65.5	70.4	72.5	72.8	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5
GE 2500		66.9	70.6	75.9	78.2	78.5	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2
GE 2000		72.5	76.6	82.9	85.3	85.6	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3
GE 1800		73.7	77.7	84.5	86.9	87.2	87.5	87.7	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0
GE 1500		76.8	81.2	89.0	91.9	92.3	92.7	93.4	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7
GE 1200		79.0	83.7	91.9	95.1	95.4	95.8	96.6	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9
GE 1000		79.2	83.9	92.2	95.7	96.0	96.5	97.2	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
GE 900		79.4	84.0	92.3	95.8	96.1	96.7	97.4	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0
GE 800		79.7	84.3	92.6	96.3	96.7	97.4	98.3	98.7	98.8	98.8	98.8	98.8	99.0	99.2	99.2
GE 700		79.7	84.3	92.7	96.5	96.8	97.6	98.5	98.9	99.0	99.0	99.0	99.2	99.4	99.5	99.5
GE 600		79.7	84.3	92.7	96.5	96.8	97.6	98.5	99.0	99.2	99.2	99.2	99.5	99.6	99.7	99.7
GE 500		79.7	84.3	92.8	96.6	96.9	97.7	98.7	99.1	99.4	99.4	99.4	99.6	99.7	99.8	99.8
GE 400		79.7	84.3	92.8	96.6	96.9	97.7	98.7	99.1	99.4	99.4	99.4	99.6	99.9	100.0	100.0
GE 300		79.7	84.3	92.8	96.6	96.9	97.7	98.7	99.1	99.4	99.4	99.4	99.6	99.9	100.0	100.0
GE 200		79.7	84.3	92.8	96.6	96.9	97.7	98.7	99.1	99.4	99.4	99.4	99.6	99.9	100.0	100.0
GE 100		79.7	84.3	92.8	96.6	96.9	97.7	98.7	99.1	99.4	99.4	99.4	99.6	99.9	100.0	100.0
GE 0		79.7	84.3	92.8	96.6	96.9	97.7	98.7	99.1	99.4	99.4	99.4	99.6	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAR HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		25.5	26.1	27.4	27.7	27.7	28.0	28.0	28.0	28.0	29.0	28.0	28.0	28.0	28.0	28.0
GE 20000	4.9	36.0	37.6	38.3	38.3	38.4	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 18000	35.2	36.2	37.8	38.5	38.5	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 16000	35.3	36.3	38.0	38.6	38.6	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 14000	36.0	37.4	39.0	39.7	39.7	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 12000	37.2	38.6	40.2	41.1	41.1	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 10000	39.7	41.5	43.5	44.4	44.4	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 9000	40.6	42.5	44.5	45.4	45.4	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 8000	45.5	47.7	49.9	51.0	51.0	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 7000	46.1	48.4	50.5	51.8	51.8	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 6000	46.6	48.8	51.0	52.3	52.3	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 5000	48.4	50.6	52.8	54.2	54.2	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 4500	51.9	54.7	57.8	59.4	59.4	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 4000	56.6	59.8	62.9	64.6	64.6	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 3500	61.5	64.7	68.7	70.4	70.4	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 3000	69.6	73.3	78.1	80.1	80.1	80.8	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 2500	71.7	75.7	80.5	82.7	82.7	83.3	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2000	74.9	79.6	85.3	87.7	87.8	89.1	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1800	75.8	80.4	86.3	89.1	89.2	90.5	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1600	78.1	82.9	89.4	92.8	92.9	94.4	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1200	79.1	84.0	91.3	94.8	94.9	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1000	79.2	84.1	91.5	95.6	95.7	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 900	79.2	84.1	91.5	95.6	95.7	97.4	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 800	79.5	84.4	91.8	95.9	96.0	97.8	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	79.5	84.4	91.8	95.9	96.0	97.8	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	79.5	84.4	91.8	96.0	96.2	98.1	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.4	99.5	99.5
GE 500	79.5	84.4	91.8	96.0	96.2	98.1	98.6	98.8	99.2	99.2	99.2	99.2	99.2	99.5	99.6	99.6
GE 400	79.5	84.4	91.8	96.0	96.2	98.1	98.6	98.8	99.4	99.4	99.4	99.4	99.4	99.7	99.8	99.8
GE 300	79.5	84.4	91.8	96.0	96.2	98.1	98.6	98.8	99.4	99.4	99.4	99.4	99.4	99.8	99.9	99.9
GE 200	79.5	84.4	91.8	96.0	96.2	98.1	98.6	98.8	99.4	99.4	99.4	99.4	99.4	99.8	99.9	99.9
GE 100	79.5	84.4	91.8	96.0	96.2	98.1	98.6	98.8	99.4	99.4	99.4	99.4	99.5	99.9	100.0	100.0
GE 0	79.5	84.4	91.8	96.0	96.2	98.1	98.6	98.8	99.4	99.4	99.4	99.4	99.5	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAR HOURS(LST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL			32.0	34.2	36.0	36.8	36.8	37.6	37.8	38.0	38.4	38.4	38.4	38.5	38.5	38.5
GE 20000			36.5	38.6	40.9	41.8	42.2	43.3	43.5	43.7	44.1	44.1	44.1	44.2	44.2	44.3
GE 18000			36.5	38.6	41.1	42.0	42.4	43.5	43.8	43.9	44.3	44.3	44.3	44.4	44.4	44.5
GE 16000			36.5	38.6	41.1	42.0	42.4	43.5	43.8	43.9	44.3	44.3	44.3	44.4	44.4	44.5
GE 14000			36.6	38.7	41.2	42.2	42.5	43.7	43.9	44.0	44.4	44.4	44.4	44.5	44.5	44.6
GE 12000			37.0	39.1	41.6	42.6	42.9	44.1	44.3	44.6	45.1	45.1	45.1	45.2	45.2	45.3
GE 10000			39.4	41.5	44.0	44.9	45.3	46.5	46.7	47.0	47.4	47.4	47.4	47.5	47.5	47.6
GE 9000			40.4	42.6	45.1	46.0	46.3	47.5	47.7	48.1	48.5	48.5	48.5	48.6	48.6	48.7
GE 8000			43.7	45.8	48.5	49.7	50.1	51.3	51.5	51.8	52.3	52.3	52.3	52.4	52.4	52.5
GE 7000			44.1	46.2	48.9	50.2	50.6	51.8	52.0	52.4	52.8	52.8	52.8	52.9	52.9	53.0
GE 6000			44.3	46.5	49.1	50.4	50.9	52.0	52.3	52.6	53.0	53.0	53.0	53.1	53.1	53.2
GE 5000			46.5	48.6	51.6	52.9	53.3	54.5	54.7	55.1	55.5	55.5	55.5	55.6	55.6	55.7
GE 4500			50.8	53.4	57.8	59.5	59.9	61.1	61.3	61.7	62.2	62.2	62.2	62.3	62.3	62.4
GE 4000			54.0	56.7	61.1	62.7	63.1	64.9	65.2	65.6	66.0	66.0	66.0	66.1	66.1	66.2
GE 3500			59.8	62.5	67.3	68.9	69.4	71.2	71.4	71.8	72.3	72.3	72.3	72.4	72.4	72.5
GE 3000			64.7	67.6	73.2	75.1	75.5	77.3	77.6	78.1	78.5	78.5	78.5	78.6	78.6	78.7
GE 2500			67.2	70.2	76.9	79.0	79.5	81.3	81.6	82.4	82.8	82.8	82.8	82.9	82.9	83.0
GE 2000			70.1	73.4	81.0	83.2	83.7	86.0	86.3	87.1	87.5	87.5	87.5	87.6	87.6	87.7
GE 1800			70.6	74.1	81.7	84.0	84.5	86.9	87.2	88.0	88.4	88.4	88.4	88.5	88.5	88.6
GE 1600			73.7	77.4	85.7	88.2	88.7	91.2	91.5	92.3	92.7	92.7	92.7	92.8	92.8	92.9
GE 1400			75.3	79.0	88.0	90.4	91.0	93.4	94.0	94.7	95.2	95.2	95.2	95.3	95.3	95.4
GE 1000			75.8	79.7	88.9	91.8	92.4	94.9	95.5	96.3	96.8	96.8	96.8	96.9	96.9	97.0
GE 900			76.1	80.0	89.5	92.5	93.0	95.6	96.2	97.1	97.5	97.5	97.5	97.6	97.6	97.7
GE 800			76.1	80.0	89.6	92.7	93.2	95.8	96.6	97.5	98.1	98.1	98.1	98.4	98.4	98.5
GE 700			76.1	80.0	89.6	92.7	93.2	95.9	96.9	98.0	98.5	98.5	98.5	98.8	98.8	98.9
GE 600			76.1	80.0	89.6	92.9	93.4	96.1	97.1	98.2	98.7	98.7	98.7	99.0	99.0	99.1
GE 500			76.1	80.0	89.8	92.9	93.4	96.2	97.2	98.4	98.9	99.0	99.1	99.2	99.2	99.4
GE 400			76.1	80.0	89.8	92.9	93.4	96.2	97.3	98.5	99.0	99.1	99.2	99.4	99.4	99.5
GE 300			76.1	80.0	89.8	92.9	93.4	96.2	97.3	98.5	99.0	99.1	99.4	99.5	99.6	99.7
GE 200			76.1	80.0	89.8	92.9	93.4	96.2	97.3	98.5	99.2	99.4	99.6	99.7	99.8	100.0
GE 100			76.1	80.0	89.8	92.9	93.4	96.2	97.3	98.5	99.2	99.4	99.6	99.7	99.8	100.0
GE 0			76.1	80.0	89.8	92.9	93.4	96.2	97.3	98.5	99.2	99.4	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAR HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		21.7	23.1	25.0	26.2	26.3	26.8	27.3	27.5	27.9	28.0	28.1	28.4	28.6	28.8
GE 20000		27.3	29.1	31.5	32.9	33.1	34.1	34.7	35.0	35.6	35.6	35.8	36.1	36.4	36.6
GE 18000		27.5	29.3	31.7	33.1	33.4	34.3	34.9	35.2	35.8	35.9	36.0	36.3	36.7	36.9
GE 16000		27.5	29.3	31.7	33.2	33.4	34.3	34.9	35.3	35.8	35.9	36.1	36.4	36.7	36.9
GE 14000		27.8	29.6	32.0	33.5	33.7	34.7	35.2	35.6	36.2	36.2	36.4	36.7	37.0	37.2
GE 12000		28.2	30.1	32.5	34.0	34.2	35.2	35.8	36.1	36.8	36.8	37.0	37.3	37.6	37.8
GE 10000		29.8	31.4	34.4	36.0	36.2	37.1	37.7	38.1	38.8	38.9	39.0	39.4	39.7	39.9
GE 9000		30.4	32.5	35.1	36.6	36.8	37.8	38.4	38.8	39.5	39.6	39.7	40.1	40.4	40.7
GE 8000		32.4	34.9	37.7	39.4	39.7	40.7	41.3	41.8	42.6	42.6	42.8	43.2	43.5	43.8
GE 7000		33.2	35.7	38.5	40.2	40.5	41.6	42.3	42.8	43.6	43.6	43.8	44.2	44.5	44.8
GE 6000		33.5	35.9	38.6	40.5	40.8	41.9	42.6	43.1	43.9	44.0	44.1	44.5	44.9	45.1
GE 5000		35.2	37.8	40.9	42.7	43.0	44.1	44.9	45.4	46.2	46.3	46.4	46.9	47.3	47.5
GE 4500		38.6	41.4	45.2	47.2	47.5	48.8	49.6	50.2	51.1	51.2	51.4	51.8	52.3	52.6
GE 4000		42.1	45.2	49.1	51.3	51.6	53.0	54.0	54.7	55.6	55.7	55.9	56.4	56.8	57.1
GE 3500		46.5	49.9	54.2	56.4	56.8	58.1	59.2	59.8	60.9	61.0	61.2	61.6	62.1	62.4
GE 3000		53.1	56.9	62.1	64.5	64.6	66.2	67.4	68.1	69.2	69.3	69.5	70.0	70.4	70.8
GE 2500		56.2	60.2	65.9	68.5	68.9	70.4	71.5	72.3	73.5	73.6	73.8	74.2	74.7	75.0
GE 2000		60.4	64.7	71.2	74.1	74.6	76.4	77.6	78.4	79.7	79.8	80.0	80.5	81.0	81.3
GE 1800		61.3	65.6	72.4	75.3	75.9	77.7	78.9	79.7	81.0	81.1	81.4	81.8	82.3	82.6
GE 1600		64.7	69.3	77.0	80.5	81.1	83.0	84.3	85.2	86.6	86.7	87.0	87.5	87.9	88.3
GE 1400		67.1	71.9	80.0	83.6	84.2	86.2	87.6	88.6	90.1	90.2	90.4	90.9	91.4	91.7
GE 1200		68.1	73.0	81.6	85.6	86.3	88.4	89.9	91.0	92.6	92.7	93.0	93.5	93.9	94.3
GE 1000		68.4	73.3	81.9	86.2	86.8	89.1	90.6	91.7	93.3	93.5	93.7	94.2	94.7	95.1
GE 900		68.6	73.6	82.2	86.6	87.4	89.8	91.4	92.5	94.3	94.4	94.7	95.2	95.8	96.2
GE 800		68.8	73.8	82.5	87.0	87.7	90.3	92.1	93.3	95.1	95.3	95.6	96.1	96.7	97.0
GE 700		68.8	73.8	82.6	87.1	87.8	90.5	92.4	93.6	95.6	95.7	96.1	96.6	97.2	97.5
GE 600		68.8	73.8	82.6	87.1	87.9	90.6	92.6	93.8	95.6	95.8	96.0	96.4	96.9	97.3
GE 500		68.8	73.8	82.6	87.1	87.9	90.6	92.6	93.8	95.6	95.8	96.0	96.4	96.9	97.3
GE 400		68.8	73.8	82.6	87.1	87.9	90.6	92.6	93.8	95.6	95.8	96.0	96.4	96.9	97.3
GE 300		68.8	73.8	82.6	87.1	87.9	90.6	92.6	93.8	95.6	95.8	96.0	96.4	96.9	97.3
GE 200		68.8	73.8	82.6	87.1	87.9	90.6	92.6	93.8	95.6	95.8	96.0	96.4	96.9	97.3
GE 100		68.8	73.8	82.6	87.1	87.9	90.6	92.6	93.8	95.6	95.8	96.0	96.4	96.9	97.3
GE 0		68.8	73.8	82.6	87.1	87.9	90.6	92.6	93.8	95.6	95.8	96.0	96.4	96.9	97.3

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: APR HOURS(IST): 1000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 60	GF 60	GE 48	GE 40	GL 32	GF 24	GE 20	GE 16	GL 12	GE 10	GL 8	GE 5	GL 4	GE 3
NO CEIL	49.6	51.5	53.4	53.8	53.9	54.2	54.2	54.2	54.6	54.6	54.6	54.9	54.9	54.9	55.1	
GE 20000	53.1	55.1	57.0	57.4	57.5	58.1	58.2	58.2	58.6	58.6	58.6	59.7	59.1	59.2	59.3	
GE 18000	53.2	55.2	57.1	57.5	57.6	58.2	58.3	58.3	58.7	58.7	58.7	59.1	59.2	59.3	59.4	
GE 16000	53.2	55.2	57.1	57.5	57.6	58.2	58.3	58.3	58.7	58.7	58.7	59.1	59.2	59.3	59.4	
GE 14000	53.2	55.2	57.1	57.5	57.6	58.2	58.3	58.3	58.7	58.7	58.7	59.1	59.2	59.3	59.4	
GE 12000	53.2	55.2	57.1	57.5	57.6	58.2	58.3	58.3	58.7	58.7	58.7	59.1	59.2	59.3	59.4	
GE 10000	55.4	57.4	59.3	59.7	59.8	60.5	60.7	60.7	61.2	61.2	61.2	61.5	61.6	61.8	62.0	
GE 9000	56.4	58.7	60.6	61.1	61.2	61.8	62.1	62.1	62.5	62.5	62.5	62.8	63.0	63.2	63.3	
GE 8000	58.3	60.7	63.0	63.4	63.5	64.2	64.8	64.8	65.4	65.4	65.4	65.7	65.9	66.1	66.2	
GE 7000	58.8	61.3	63.5	64.0	64.1	64.7	65.4	65.4	66.0	66.0	66.0	66.3	66.4	66.6	66.7	
GE 6000	59.0	61.5	63.7	64.2	64.3	65.0	65.6	65.6	66.2	66.2	66.2	66.5	66.6	66.9	67.0	
GE 5000	63.0	65.5	67.7	68.2	68.3	69.0	69.6	69.6	70.2	70.2	70.2	70.5	70.6	70.9	71.0	
GE 4500	67.6	70.9	73.4	73.9	74.0	74.6	75.3	75.3	75.9	75.9	75.9	76.2	76.4	76.6	76.6	
GE 4000	73.0	76.2	78.9	79.3	79.4	80.1	80.8	80.8	81.3	81.3	81.3	81.6	81.9	82.1	82.2	
GE 3500	75.9	79.4	82.6	83.2	83.3	84.0	84.6	84.6	85.2	85.2	85.2	85.5	85.8	86.0	86.1	
GE 3000	78.3	82.0	85.5	86.1	86.2	86.9	87.5	87.5	88.2	88.2	88.2	88.5	88.8	89.0	89.1	
GE 2500	78.6	82.3	86.0	86.5	86.7	87.4	88.1	88.1	88.8	88.8	88.8	89.1	89.3	89.5	89.7	
GE 2000	79.8	83.6	87.7	88.2	88.3	89.1	89.6	89.6	90.4	90.4	90.4	90.8	91.0	91.2	91.3	
GE 1800	80.2	84.1	88.3	88.9	89.0	89.9	90.5	90.5	91.2	91.2	91.2	91.5	91.8	92.0	92.1	
GE 1500	81.5	85.5	89.9	90.5	90.7	91.5	92.2	92.4	93.1	93.1	93.1	93.4	93.7	93.9	94.0	
GE 1200	81.8	86.1	91.0	91.7	91.8	92.4	93.4	93.7	94.3	94.3	94.3	94.7	94.9	95.1	95.2	
GE 1000	82.0	86.4	91.4	92.1	92.2	93.7	94.4	94.7	95.7	95.7	95.7	96.0	96.2	96.4	96.6	
GE 900	82.0	86.4	91.4	92.1	92.2	93.7	94.4	94.7	95.8	95.8	95.8	96.1	96.3	96.6	96.7	
GE 800	82.3	86.9	92.0	92.7	92.8	94.2	95.0	95.2	96.3	96.3	96.3	96.7	96.9	97.1	97.2	
GE 700	82.3	86.9	92.0	92.7	92.8	94.5	95.6	95.8	96.9	96.9	96.9	97.2	97.4	97.7	97.8	
GE 600	82.3	86.9	92.0	92.7	92.8	94.7	95.7	95.9	97.0	97.0	97.0	97.3	97.6	97.8	98.0	
GE 500	82.3	86.9	92.0	92.7	92.8	94.9	96.1	96.3	97.4	97.4	97.4	97.8	98.0	98.2	98.4	
GE 400	82.3	86.9	92.0	92.7	92.8	94.9	96.3	96.6	97.7	97.7	97.7	98.0	98.3	98.7	98.9	
GE 300	82.3	86.9	92.1	92.8	92.9	95.0	96.4	97.3	98.4	98.4	98.4	98.8	99.1	99.4	99.7	
GE 200	82.3	86.9	92.1	92.8	92.9	95.0	96.8	97.3	98.4	98.4	98.4	98.8	99.1	99.4	99.7	
GE 100	82.3	86.9	92.1	92.8	92.9	95.0	96.7	97.3	98.4	98.4	98.4	98.8	99.1	99.4	99.7	
GE 0	82.3	86.9	92.1	92.8	92.9	95.0	96.8	97.3	98.4	98.4	98.4	98.8	99.1	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106147 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: APR HOURS(IST): 0300-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 40	GE 30	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3
NO CEIL	1	42.7	45.7	49.8	50.2	50.4	51.4	51.7	51.7	52.7	52.8	52.8	53.1	53.2	53.3	53.4	
GE 20000		45.6	48.7	52.8	53.2	53.6	54.8	55.1	55.1	56.2	56.3	56.3	56.7	57.0	57.1	57.4	
GE 18000		45.6	48.7	52.8	53.2	53.6	54.8	55.1	55.1	56.2	56.3	56.3	56.7	57.0	57.1	57.4	
GE 16000		45.6	48.7	52.8	53.2	53.6	54.8	55.1	55.1	56.2	56.3	56.3	56.7	57.0	57.1	57.4	
GE 14000		45.8	48.9	53.0	53.4	53.8	55.0	55.3	55.3	56.4	56.6	56.6	56.9	57.2	57.3	57.7	
GE 12000		45.8	48.9	53.0	53.4	53.8	55.0	55.3	55.3	56.6	56.7	56.7	57.0	57.3	57.4	57.8	
GE 10000		47.3	50.4	54.6	55.0	55.3	56.6	56.9	56.9	58.1	58.2	58.2	58.6	58.9	59.0	59.3	
GE 9000		47.7	51.0	55.1	55.6	55.9	57.1	57.4	57.4	58.7	58.8	58.8	59.1	59.4	59.6	59.9	
GE 8000		49.3	53.0	57.6	58.0	58.3	59.6	60.2	60.2	61.6	61.7	61.8	62.1	62.6	62.7	63.0	
GE 7000		49.7	53.3	57.9	58.3	58.7	59.9	60.6	60.6	61.9	62.0	62.1	62.4	63.0	63.1	63.4	
GE 6000		49.9	53.6	58.2	58.7	59.0	60.2	60.9	60.9	62.2	62.4	62.4	62.8	63.3	63.4	63.8	
GE 5000		52.4	56.1	61.1	61.6	61.9	63.2	63.9	63.9	65.2	65.3	65.4	65.8	66.3	66.4	66.8	
GE 4500		56.0	60.1	65.0	66.2	66.6	67.9	68.6	68.7	70.0	70.1	70.2	70.6	71.1	71.2	71.6	
GE 4000		59.8	64.1	69.9	70.3	70.7	72.1	72.8	72.9	74.3	74.4	74.7	75.0	75.6	75.7	76.0	
GE 3500		63.6	67.9	74.9	75.3	75.7	77.1	77.8	77.9	79.4	79.6	79.8	80.1	80.7	80.8	81.1	
GE 3000		66.3	73.0	80.3	80.8	81.1	82.6	83.2	83.3	84.9	85.0	85.2	85.6	86.1	86.2	86.6	
GE 2500		69.7	74.3	81.9	82.4	82.8	84.2	84.9	85.0	86.6	86.7	86.9	87.2	87.8	87.9	88.2	
GE 2000		71.0	75.7	83.7	84.2	84.6	86.0	86.7	86.8	88.4	88.6	88.8	89.1	89.7	89.8	90.1	
GE 1800		71.3	76.0	84.1	84.7	85.0	86.4	87.1	87.2	88.9	89.0	89.2	89.6	90.1	90.2	90.6	
GE 1600		72.7	77.7	86.3	87.0	87.3	88.8	89.4	89.6	91.2	91.3	91.6	91.9	92.4	92.6	92.9	
GE 1400		73.1	78.2	87.6	88.3	88.7	90.1	90.8	91.1	92.6	92.9	93.1	93.4	94.0	94.1	94.4	
GE 1200		74.0	79.1	88.8	89.7	90.0	91.4	92.1	92.4	94.1	94.3	94.6	94.9	95.4	95.6	95.9	
GE 1000		74.2	79.3	89.0	89.9	90.2	91.7	92.3	92.8	94.6	94.8	95.0	95.3	96.1	96.2	96.6	
GE 900		74.2	79.3	89.1	90.0	90.3	91.9	92.9	93.3	95.1	95.4	95.7	96.7	96.8	96.9	97.3	
GE 800		74.2	79.3	89.1	90.0	90.3	92.1	93.1	93.6	95.6	95.9	96.1	96.4	97.2	97.3	97.8	
GE 700		74.2	79.3	89.1	90.0	90.3	92.6	93.9	94.3	96.3	96.7	96.9	97.2	98.0	98.1	98.6	
GE 600		74.2	79.3	89.2	90.1	90.4	92.9	94.2	94.7	96.7	97.0	97.3	97.7	98.7	98.8	99.2	
GE 500		74.2	79.3	89.2	90.1	90.4	92.9	94.4	94.9	97.0	97.4	97.8	98.1	99.1	99.2	100.0	
GE 400		74.2	79.3	89.2	90.1	90.4	92.9	94.4	94.9	97.0	97.4	97.8	98.1	99.1	99.2	100.0	
GE 300		74.2	79.3	89.2	90.1	90.4	92.9	94.4	94.9	97.0	97.4	97.8	98.1	99.1	99.2	100.0	
GE 200		74.2	79.3	89.2	90.1	90.4	92.9	94.4	94.9	97.0	97.4	97.8	98.1	99.1	99.2	100.0	
GE 100		74.2	79.3	89.2	90.1	90.4	92.9	94.4	94.9	97.0	97.4	97.8	98.1	99.1	99.2	100.0	
GE 0		74.2	79.3	89.2	90.1	90.4	92.9	94.4	94.9	97.0	97.4	97.8	98.1	99.1	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: APR HOURS(LEST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		27.9	31.0	35.6	39.7	36.9	40.1	40.6	43.8	41.9	42.2	42.3	42.3	42.7	42.9	43.1
GE 20000		30.9	34.0	39.2	42.3	42.6	43.8	44.2	44.4	45.7	46.1	46.2	46.2	46.9	47.1	47.3
GE 18000		31.0	34.1	39.3	42.4	42.7	43.9	44.3	44.6	45.8	46.1	46.4	46.4	47.1	47.3	47.6
GE 16000		31.1	34.2	39.4	42.6	42.8	44.0	44.4	44.7	45.9	46.4	46.6	46.6	47.2	47.4	47.7
GE 14000		31.1	34.2	39.4	42.6	42.8	44.0	44.4	44.7	45.9	46.4	46.6	46.6	47.2	47.4	47.7
GE 12000		31.6	34.7	39.9	43.0	43.2	44.4	44.9	45.1	46.3	46.9	47.0	47.0	47.7	47.9	48.1
GE 10000		33.7	36.8	42.0	45.1	45.6	46.9	47.4	47.7	48.9	49.4	49.6	49.6	50.2	50.4	50.7
GE 9000		33.9	37.0	42.2	45.6	45.8	47.2	47.8	48.0	49.2	49.8	49.9	49.9	50.6	50.8	51.0
GE 8000		36.0	39.6	45.0	48.4	48.6	50.2	50.9	51.1	52.6	53.2	53.6	53.6	54.3	54.7	54.9
GE 7000		36.3	39.9	45.4	49.9	49.2	50.8	51.4	51.7	53.1	53.4	54.1	54.1	54.9	55.2	55.4
GE 6000		36.6	40.2	46.0	49.4	49.8	51.4	52.1	52.3	53.8	54.4	54.8	54.8	55.6	55.9	56.1
GE 5000		39.7	43.7	49.6	53.2	53.6	55.2	56.3	56.7	58.6	59.2	59.6	59.6	60.3	60.7	60.9
GE 4500		42.1	46.4	52.9	56.7	57.0	59.9	60.1	60.4	62.4	63.1	63.4	63.4	64.3	64.7	64.9
GE 4000		45.9	50.6	57.4	61.6	61.9	63.9	65.0	65.3	67.4	68.4	68.8	68.8	69.7	70.1	70.3
GE 3500		47.8	52.6	59.7	63.9	64.2	66.3	67.7	68.0	70.4	71.1	71.4	71.4	72.3	72.8	73.0
GE 3000		52.9	58.2	66.1	70.6	70.9	73.2	74.6	74.9	77.6	78.2	78.6	78.6	79.4	79.9	80.1
GE 2500		55.1	60.6	68.4	73.3	73.7	76.1	77.4	77.8	80.4	81.1	81.4	81.4	82.3	82.8	83.0
GE 2000		57.4	63.2	71.7	76.3	77.1	79.7	81.0	81.3	84.0	84.7	85.0	85.1	86.0	86.4	86.7
GE 1800		58.4	64.3	72.8	77.9	78.2	80.8	82.1	82.4	85.1	85.4	86.1	86.2	87.1	87.6	87.8
GE 1600		59.8	66.3	75.1	80.4	80.9	83.7	85.0	85.3	88.0	88.7	89.0	89.1	90.0	90.4	90.7
GE 1400		60.2	67.0	76.4	81.7	82.1	85.1	86.4	86.8	89.6	90.2	90.6	90.7	91.6	92.0	92.2
GE 1200		60.6	67.3	77.0	82.7	83.1	86.1	87.6	87.9	90.9	91.6	91.9	92.0	92.9	93.3	93.6
GE 1000		60.6	67.6	77.4	83.0	83.4	86.4	87.9	88.3	91.6	92.2	92.6	92.7	93.6	94.1	94.3
GE 900		60.9	67.9	78.0	83.4	84.2	87.7	89.1	89.7	92.9	93.7	94.0	94.1	95.0	95.6	95.8
GE 800		60.9	67.9	78.2	84.1	84.6	88.0	89.7	90.2	93.7	94.4	94.8	94.9	95.8	96.3	96.6
GE 700		60.9	67.9	78.3	84.2	84.7	88.1	89.8	90.3	93.8	94.6	95.0	95.1	96.0	96.6	96.8
GE 600		60.9	67.9	78.3	84.2	84.7	88.4	90.1	90.7	94.1	95.0	95.4	95.7	96.6	97.1	97.6
GE 500		60.9	67.9	78.3	84.2	84.7	88.4	90.1	90.8	94.4	95.3	95.9	96.1	97.0	97.6	98.0
GE 400		60.9	67.9	78.3	84.2	84.7	88.6	90.2	90.7	94.8	95.7	96.2	96.7	97.6	98.1	98.9
GE 300		60.9	67.9	78.3	84.2	84.7	88.6	90.2	90.9	94.8	95.7	96.2	96.7	97.6	98.3	99.4
GE 200		60.9	67.9	78.3	84.2	84.7	88.6	90.2	90.9	94.8	95.7	96.2	96.8	97.7	98.6	100.0
GE 100		60.9	67.9	78.3	84.2	84.7	88.6	90.2	90.9	94.8	95.7	96.2	96.8	97.7	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: APR HOURS(IST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 40	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 9	GE 5	GE 4	GE 3
NO CEIL	1	26.1	26.0	33.9	36.3	36.4	37.3	38.1	38.1	38.4	39.4	39.4	39.4	38.6	38.6	38.6	38.7
GE 20000		30.7	32.7	39.2	41.9	42.1	43.1	44.0	44.0	44.7	44.7	44.7	44.7	44.9	44.8	44.8	45.0
GE 18000		30.7	32.7	39.2	41.9	42.1	43.1	44.0	44.0	44.7	44.7	44.7	44.7	44.8	44.8	44.8	45.0
GE 16000		30.7	32.7	39.2	41.9	42.1	43.1	44.0	44.0	44.7	44.7	44.7	44.7	44.8	44.8	44.8	45.2
GE 14000		31.0	33.0	39.6	42.2	42.4	43.4	44.3	44.3	45.0	45.0	45.0	45.0	45.1	45.1	45.1	45.6
GE 12000		31.4	33.4	40.0	42.7	42.9	43.9	44.9	44.9	45.6	45.6	45.6	45.6	45.7	45.7	45.7	46.1
GE 10000		32.4	34.6	41.1	43.9	44.1	45.1	46.1	46.1	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.4
GE 9000		32.8	34.9	41.4	44.2	44.4	45.4	46.4	46.4	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.8
GE 8000		35.0	37.4	45.0	47.8	48.0	49.0	50.2	50.2	51.7	51.7	51.7	51.7	51.8	51.8	51.8	52.2
GE 7000		36.1	38.7	46.4	49.2	49.4	50.4	51.7	51.7	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.7
GE 6000		36.7	39.2	47.0	49.9	50.1	51.1	52.3	52.3	53.8	53.8	53.8	53.9	53.9	53.9	53.9	54.3
GE 5000		39.0	42.0	50.4	53.6	53.8	54.8	56.1	56.1	57.6	57.6	57.6	57.7	57.7	57.7	57.7	58.1
GE 4500		41.0	44.3	52.8	56.2	56.4	57.4	58.9	58.9	60.6	60.6	60.6	60.7	60.7	60.7	60.7	61.1
GE 4000		43.6	47.0	56.0	59.4	59.7	61.0	62.4	62.4	64.2	64.2	64.2	64.3	64.3	64.3	64.3	65.0
GE 3500		47.4	50.9	59.9	63.3	63.6	64.9	66.4	66.4	68.3	68.3	68.3	68.4	68.4	68.4	68.4	69.3
GE 3000		53.7	57.6	67.4	71.0	71.2	72.7	74.3	74.3	76.4	76.4	76.4	76.6	76.6	76.6	76.6	77.4
GE 2500		56.1	60.2	70.3	74.2	74.4	75.9	77.6	77.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9	80.8
GE 2000		59.0	63.2	73.7	74.6	74.8	80.1	82.0	82.1	84.2	84.2	84.2	84.3	84.3	84.3	84.3	85.4
GE 1800		59.8	64.1	74.6	79.4	79.7	81.2	82.9	83.0	85.1	85.1	85.1	85.2	85.2	85.2	85.2	86.1
GE 1600		62.3	67.3	78.4	83.7	83.9	85.6	87.3	87.4	89.6	89.6	89.6	89.7	89.7	89.7	89.7	90.6
GE 1400		63.0	68.4	80.2	85.8	86.0	88.0	89.8	89.9	92.1	92.1	92.1	92.3	92.3	92.3	92.3	93.2
GE 1200		63.6	69.3	82.0	87.9	88.1	90.6	92.4	92.7	95.0	95.0	95.0	95.2	95.2	95.2	95.2	96.1
GE 1000		63.7	69.6	82.6	88.4	88.7	91.1	93.0	93.3	96.1	96.1	96.1	96.3	96.3	96.3	96.3	97.2
GE 900		63.7	69.9	82.9	88.8	89.0	91.6	93.6	93.9	96.6	96.6	96.6	97.0	97.0	97.0	97.0	97.9
GE 800		63.7	69.9	82.9	88.9	89.1	91.8	93.9	94.2	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.6
GE 700		63.7	69.9	82.9	88.9	89.1	91.8	93.9	94.2	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.6
GE 600		63.7	69.9	82.9	88.9	89.1	91.8	93.9	94.2	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.6
GE 500		63.7	69.9	82.9	88.9	89.1	91.8	93.9	94.2	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.6
GE 400		63.7	69.9	82.9	88.9	89.1	91.8	93.9	94.2	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.6
GE 300		63.7	69.9	82.9	88.9	89.1	91.8	93.9	94.2	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.6
GE 200		63.7	69.9	82.9	88.9	89.1	91.8	93.9	94.2	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.6
GE 100		63.7	69.9	82.9	88.9	89.1	91.8	93.9	94.2	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.6
GE 0		63.7	69.9	82.9	88.9	89.1	91.8	93.9	94.2	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: APR HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL	30.6	31.1	32.9	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 20000	36.8	37.6	39.7	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 18000	36.8	37.6	39.7	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 16000	36.9	37.7	39.8	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 14000	37.0	37.8	40.0	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 12000	37.8	38.6	40.8	41.6	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 10000	39.0	39.8	42.0	42.8	42.8	42.8	42.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 9000	39.2	40.1	42.3	43.1	43.1	43.1	43.2	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 8000	40.6	41.4	43.8	44.6	44.6	44.6	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 7000	42.0	43.6	45.4	46.2	46.2	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 6000	42.4	43.6	46.0	46.8	46.8	46.8	46.9	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 5000	45.6	46.7	49.2	50.0	50.0	50.0	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 4500	48.2	49.3	51.9	52.7	52.8	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 4000	52.4	53.7	56.8	57.7	57.8	58.1	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 3500	59.2	60.7	64.0	64.9	65.0	65.3	65.4	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 3000	71.2	73.4	77.1	78.1	78.2	78.6	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 2500	74.3	76.6	80.4	81.4	81.6	81.9	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 2000	78.6	81.1	85.6	86.8	86.9	87.2	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1800	79.8	82.3	86.8	88.0	88.1	88.4	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1600	83.4	86.6	91.7	93.0	93.1	93.4	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1400	84.4	87.7	93.0	94.7	94.8	95.1	95.2	95.2	95.8	95.4	95.8	95.4	95.8	95.8	95.8
GE 1200	85.0	88.7	94.3	96.3	96.4	97.1	97.4	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	85.0	88.9	94.9	96.9	97.0	97.7	98.0	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	85.0	89.9	94.9	96.9	97.0	97.8	98.1	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	85.0	89.9	94.9	96.9	97.0	97.9	98.2	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	85.0	89.9	94.9	96.9	97.0	97.8	98.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	85.0	89.9	94.9	96.9	97.0	97.8	98.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	85.0	89.9	94.9	96.9	97.0	97.8	98.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	85.0	89.9	94.9	96.9	97.0	97.8	98.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	85.0	89.9	94.9	96.9	97.0	97.8	98.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	85.0	89.9	94.9	96.9	97.0	97.8	98.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	85.0	89.9	94.9	96.9	97.0	97.8	98.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	85.0	89.9	94.9	96.9	97.0	97.8	98.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: APR HOURS: 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 30	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3	GE 2
NO CEIL		31.2	31.4	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 20000		39.2	39.4	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 18000		39.7	39.9	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 16000		39.9	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 14000		40.1	40.3	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 12000		40.1	40.3	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 10000		42.9	43.1	43.8	43.8	43.8	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 9000		43.8	44.0	44.7	44.7	44.7	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 8000		46.0	46.6	47.3	47.3	47.3	47.4	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 7000		47.0	47.7	48.4	48.4	48.4	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 6000		47.6	48.2	49.0	49.0	49.0	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 5000		50.2	50.9	51.7	51.7	51.7	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 4500		54.1	54.9	55.7	55.7	55.7	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 4000		60.9	62.1	63.0	63.0	63.0	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 3500		69.7	70.9	71.9	71.9	71.9	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 3000		80.4	81.8	83.2	83.3	83.3	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 2500		84.9	86.2	87.7	87.9	87.9	88.0	88.0	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 2000		87.1	88.9	90.4	90.7	90.7	90.8	90.9	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1800		87.6	89.2	90.8	91.1	91.1	91.2	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1500		90.8	93.1	95.3	95.7	95.7	96.1	96.2	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1200		91.2	93.8	96.1	96.6	96.6	97.0	97.2	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000		91.8	94.4	96.8	97.4	97.4	98.2	98.4	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900		91.8	94.4	96.9	97.6	97.6	98.1	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800		91.8	94.4	96.9	97.6	97.6	98.4	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700		91.8	94.4	96.9	97.6	97.6	98.6	98.8	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600		91.8	94.4	96.9	97.6	97.6	98.6	98.8	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500		91.8	94.4	96.9	97.6	97.6	98.7	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		91.8	94.4	96.9	97.6	97.6	98.7	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		91.8	94.4	96.9	97.6	97.6	98.7	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		91.8	94.4	96.9	97.6	97.6	98.7	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		91.8	94.4	96.9	97.6	97.6	98.7	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		91.8	94.4	96.9	97.6	97.6	98.7	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: APR HOURS(1ST): 1400-2000

CEILING IN FEET	1 160	VISIBILITY IN HUNDREDS OF METERS															
		GE 90	GE 80	GE 70	GE 60	GE 50	GE 40	GE 30	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CLIL	1	37.4	37.7	38.0	38.3	38.0	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 20000		46.7	47.0	47.7	47.7	47.7	47.7	48.0	48.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 18000		47.7	48.0	48.7	48.7	48.7	48.9	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 16000		47.7	48.0	48.7	48.7	48.7	48.9	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 14000		47.9	48.2	48.9	48.9	48.9	49.1	49.2	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 12000		48.2	48.6	49.2	49.2	49.2	49.4	49.6	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 10000		51.9	52.2	52.9	52.9	52.9	53.3	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 9000		53.2	53.6	54.2	54.2	54.2	54.7	54.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 8000		57.0	57.4	58.2	58.2	58.2	58.7	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 7000		58.9	59.8	60.7	60.7	60.7	61.1	61.3	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 6000		59.6	60.4	61.3	61.3	61.3	61.8	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 5000		62.1	63.0	63.9	63.9	63.9	64.3	64.6	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 4500		66.2	67.1	68.1	68.1	68.1	68.6	68.8	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 4000		72.2	73.6	75.0	75.0	75.0	75.4	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 3500		76.6	78.4	80.0	80.1	80.1	80.6	80.8	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3000		83.9	86.0	87.6	87.7	87.7	88.1	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 2500		86.0	88.1	90.0	90.2	90.2	90.7	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 2000		88.0	90.6	92.4	92.7	92.7	93.1	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1800		88.2	90.9	93.1	93.3	93.3	93.8	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1600		90.0	93.4	95.9	96.2	96.3	97.0	97.2	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1400		90.6	94.1	96.6	97.1	97.2	98.0	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200		90.8	94.7	97.4	97.8	98.0	98.8	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000		90.8	94.7	97.4	97.8	98.0	98.8	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900		90.6	94.7	97.4	97.8	98.0	98.8	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800		90.9	94.8	97.6	97.9	98.3	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700		90.9	94.8	97.6	97.9	98.3	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600		90.9	94.8	97.6	97.9	98.3	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500		90.9	94.8	97.6	97.9	98.3	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400		90.9	94.8	97.6	97.9	98.3	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300		90.9	94.8	97.6	97.9	98.3	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200		90.9	94.8	97.6	97.9	98.3	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100		90.9	94.8	97.6	97.9	98.3	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0		90.9	94.8	97.6	97.9	98.3	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: APR HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GF 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE J
NO CEIL		49.3	50.4	51.4	51.8	51.8	51.9	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.2	52.2
GE 20000		55.9	57.0	58.2	54.8	58.8	59.0	59.3	59.3	59.6	59.8	59.8	59.9	60.0	60.0	60.0
GE 18000		56.0	57.1	58.3	58.9	58.9	59.1	59.4	59.4	59.9	59.9	59.9	60.0	60.1	60.1	60.1
GE 16000		56.0	57.1	58.3	58.9	58.9	59.1	59.4	59.4	59.9	59.9	59.9	60.0	60.1	60.1	60.1
GE 14000		56.1	57.2	58.4	59.0	59.0	59.2	59.6	59.6	60.0	60.0	60.0	60.1	60.2	60.2	60.2
GE 12000		56.3	57.4	58.7	59.2	59.2	59.4	59.8	59.8	60.2	60.2	60.2	60.3	60.4	60.4	60.4
GE 10000		58.2	59.3	60.9	61.4	61.4	61.7	62.3	62.3	62.6	62.8	62.8	62.9	63.0	63.0	63.0
GE 9000		59.1	60.3	61.9	62.4	62.4	62.7	63.3	63.3	63.8	63.8	63.8	63.9	64.0	64.0	64.0
GE 8000		62.4	63.7	65.4	66.0	66.0	66.2	66.9	66.9	67.3	67.3	67.3	67.4	67.6	67.6	67.6
GE 7000		63.4	65.0	66.8	67.3	67.3	67.6	68.2	68.2	68.7	68.7	68.7	68.8	68.9	68.9	68.9
GE 6000		63.8	65.3	67.1	67.7	67.7	67.9	68.6	68.6	69.0	69.0	69.0	69.1	69.2	69.2	69.2
GE 5000		67.1	68.7	70.4	71.0	71.0	71.2	71.9	71.9	72.3	72.3	72.3	72.4	72.6	72.6	72.6
GE 4500		72.1	73.9	75.7	76.2	76.2	76.4	77.1	77.1	77.6	77.6	77.6	77.7	77.8	77.8	77.8
GE 4000		76.4	78.4	80.4	81.3	81.3	81.7	82.3	82.3	82.8	82.8	82.8	82.9	83.0	83.0	83.0
GE 3500		78.8	80.9	83.3	83.9	83.9	84.6	85.2	85.2	85.7	85.7	85.7	85.8	85.9	85.9	85.9
GE 3000		83.1	85.2	88.2	88.8	89.1	89.9	90.6	90.6	91.0	91.0	91.0	91.1	91.2	91.2	91.2
GE 2500		83.8	86.0	89.1	89.7	90.0	90.9	91.6	91.6	92.0	92.0	92.0	92.1	92.2	92.2	92.2
GE 2000		84.6	87.1	90.9	91.4	91.8	92.7	93.3	93.3	93.8	93.8	93.8	93.9	94.0	94.0	94.0
GE 1800		94.8	87.3	91.1	91.7	92.0	92.9	93.6	93.6	94.0	94.0	94.0	94.1	94.2	94.2	94.2
GE 1500		85.4	88.0	92.2	92.8	93.1	94.4	95.1	95.1	95.6	95.6	95.6	95.7	95.8	95.8	95.8
GE 1200		85.7	88.3	93.3	94.0	94.3	95.4	96.4	96.4	96.9	96.9	96.9	97.0	97.1	97.1	97.1
GE 1000		85.7	88.4	93.9	94.8	95.1	96.7	97.9	97.9	98.3	98.3	98.3	98.4	98.6	98.6	98.6
GE 900		85.7	88.4	93.9	94.9	95.2	96.8	98.0	98.0	98.4	98.4	98.4	98.6	98.7	98.7	98.7
GE 800		85.8	88.6	94.2	95.2	95.6	97.1	98.3	98.3	98.8	98.8	98.8	98.9	99.0	99.0	99.0
GE 700		85.8	88.6	94.2	95.2	95.6	97.2	98.4	98.4	99.2	99.2	99.2	99.3	99.4	99.4	99.4
GE 600		85.8	88.6	94.2	95.2	95.6	97.3	98.7	98.7	99.4	99.4	99.4	99.7	99.8	99.8	99.8
GE 500		85.8	88.6	94.2	95.2	95.6	97.3	98.7	98.7	99.4	99.4	99.4	99.7	99.8	99.8	99.8
GE 400		85.8	88.6	94.2	95.2	95.6	97.3	98.7	98.7	99.4	99.4	99.4	99.7	99.8	99.8	99.8
GE 300		85.8	88.6	94.2	95.2	95.6	97.3	98.7	98.7	99.4	99.4	99.4	99.7	99.8	99.8	99.8
GE 200		85.8	88.6	94.2	95.2	95.6	97.3	98.7	98.7	99.4	99.4	99.4	99.7	99.8	99.8	99.8
GE 100		85.8	88.6	94.2	95.2	95.6	97.3	98.7	98.7	99.4	99.4	99.4	99.7	99.8	99.8	99.8
GE J		85.8	88.6	94.2	95.2	95.6	97.3	98.7	98.7	99.4	99.4	99.4	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: APR HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															GE 0
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 6	GE 4	
NO CEIL		36.9	38.4	40.9	41.8	41.9	42.4	42.6	42.6	43.0	43.0	43.0	43.1	43.2	43.3	
GE 20000		42.3	43.9	46.7	47.7	47.8	48.4	48.7	48.7	49.2	49.3	49.3	49.4	49.6	49.7	
GE 18000		42.6	44.1	47.0	48.0	48.1	48.6	48.9	48.9	49.5	49.5	49.5	49.7	49.8	49.9	50.0
GE 16000		42.6	44.2	47.0	48.0	48.1	48.7	49.0	49.0	49.5	49.5	49.6	49.7	49.9	50.1	
GE 14000		42.6	44.4	47.2	48.2	48.3	48.8	49.1	49.1	49.7	49.8	49.8	49.9	50.0	50.1	50.2
GE 12000		43.0	44.6	47.5	48.5	48.6	49.1	49.4	49.5	50.0	50.1	50.1	50.2	50.4	50.4	50.5
GE 10000		45.1	46.7	49.6	50.6	50.7	51.3	51.7	51.8	52.4	52.5	52.5	52.6	52.7	52.8	52.9
GE 9000		45.8	47.5	50.3	51.4	51.5	52.1	52.5	52.5	53.1	53.2	53.2	53.3	53.5	53.6	53.7
GE 8000		48.1	50.0	53.2	54.2	54.3	55.0	55.5	55.6	56.3	56.4	56.4	56.5	56.7	56.8	57.0
GE 7000		49.0	51.1	54.3	55.4	55.5	56.2	56.7	56.7	57.5	57.6	57.6	57.7	57.9	58.0	58.1
GE 6000		49.4	51.5	54.8	55.9	56.0	56.7	57.2	57.2	58.0	58.1	58.1	58.2	58.4	58.5	58.6
GE 5000		52.4	54.6	58.0	59.1	59.3	59.9	60.5	60.6	61.4	61.5	61.5	61.6	61.8	61.9	62.1
GE 4500		55.9	58.4	62.0	63.2	63.3	64.1	64.7	64.8	65.6	65.7	65.8	65.9	66.1	66.2	66.3
GE 4000		60.5	63.2	67.2	68.5	68.6	69.4	70.0	70.1	71.0	71.1	71.2	71.3	71.5	71.6	71.8
GE 3500		64.9	67.7	72.0	73.3	73.5	74.3	75.0	75.1	76.0	76.1	76.2	76.3	76.5	76.6	76.8
GE 3000		71.5	74.6	79.4	80.8	81.0	81.9	82.6	82.7	83.7	83.8	83.9	84.0	84.2	84.3	84.5
GE 2500		73.6	76.8	81.8	83.2	83.4	84.4	85.1	85.2	86.2	86.3	86.4	86.5	86.7	86.8	87.0
GE 2000		75.7	79.2	84.5	86.2	86.3	87.4	88.0	88.2	89.2	89.3	89.4	89.5	89.7	89.8	90.0
GE 1800		76.3	79.8	85.2	86.9	87.1	88.1	88.8	88.9	89.9	90.0	90.1	90.2	90.5	90.6	90.7
GE 1600		78.2	82.2	88.1	89.9	90.1	91.3	92.0	92.2	93.2	93.3	93.4	93.5	93.8	93.9	94.0
GE 1400		78.7	83.0	89.3	91.2	91.4	92.7	93.4	93.6	94.7	94.8	94.9	95.1	95.3	95.4	95.6
GE 1200		79.2	83.6	90.2	92.3	92.6	94.1	94.9	95.1	96.3	96.4	96.5	96.6	96.9	97.0	97.2
GE 1000		79.2	83.7	90.4	92.6	92.8	94.3	95.1	95.4	96.8	96.9	97.0	97.1	97.4	97.5	97.7
GE 900		79.3	83.8	90.6	92.8	93.0	94.6	95.5	95.8	97.2	97.3	97.4	97.5	97.8	97.9	98.1
GE 800		79.3	83.8	90.7	92.9	93.2	94.8	95.8	96.2	97.6	97.7	97.8	98.0	98.2	98.3	98.5
GE 700		79.3	83.8	90.7	92.9	93.2	94.9	95.9	96.2	97.7	97.7	97.9	98.0	98.1	98.4	98.7
GE 600		79.3	83.8	90.7	92.9	93.2	94.9	95.9	96.2	97.7	97.7	97.9	98.0	98.1	98.4	98.7
GE 500		79.3	83.8	90.7	92.9	93.2	95.1	96.2	96.5	98.1	98.2	98.3	98.5	98.8	98.9	99.1
GE 400		79.3	83.8	90.7	92.9	93.2	95.1	96.2	96.6	98.2	98.4	98.5	98.7	99.1	99.2	99.4
GE 300		79.3	83.8	90.8	92.9	93.2	95.2	96.3	96.7	98.5	98.6	98.7	99.0	99.3	99.4	99.8
GE 200		79.3	83.8	90.8	92.9	93.2	95.2	96.3	96.7	98.5	98.6	98.8	99.0	99.3	99.5	99.9
GE 100		79.3	83.8	90.8	92.9	93.2	95.2	96.3	96.7	98.5	98.6	98.8	99.0	99.3	99.5	100.0
GE 0		79.3	83.8	90.8	92.9	93.2	95.2	96.3	96.7	98.5	98.6	98.8	99.0	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: MAY HOURS (LST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		48.7	50.6	52.6	53.1	53.1	53.5	53.7	53.7	54.3	54.3	54.4	54.6	54.6	55.1	55.2
GE 20000		52.3	54.2	56.5	56.8	56.8	57.2	57.3	57.3	58.0	59.0	58.1	58.3	58.3	59.7	58.4
GE 18000		52.3	54.2	56.5	56.8	56.8	57.2	57.3	57.3	58.0	59.0	58.1	58.3	58.3	59.7	58.4
GE 16000		52.3	54.2	56.5	56.8	56.8	57.2	57.3	57.3	58.0	59.0	58.1	58.3	58.3	59.7	58.8
GE 14000		52.6	54.5	56.8	57.1	57.1	57.5	57.6	57.6	58.3	59.3	58.4	58.6	58.6	59.0	59.1
GE 12000		52.7	54.6	57.1	57.4	57.4	57.8	58.0	58.0	58.6	59.6	58.7	58.9	58.9	59.4	59.5
GE 10000		55.9	58.1	60.8	61.1	61.1	61.5	61.6	61.6	62.3	62.3	62.4	62.6	62.6	63.0	63.1
GE 9000		56.7	58.8	61.5	61.8	61.8	62.3	62.4	62.4	63.0	63.0	63.1	63.3	63.3	63.8	63.9
GE 8000		60.8	62.9	65.7	66.0	66.0	66.5	66.6	66.6	67.2	67.2	67.3	67.5	67.5	68.0	68.1
GE 7000		63.9	66.0	69.0	69.5	69.5	70.0	70.1	70.1	70.8	70.8	70.9	71.3	71.3	71.7	71.8
GE 6000		64.1	66.2	69.2	69.7	69.7	70.2	70.3	70.3	71.0	71.0	71.1	71.5	71.5	71.9	72.0
GE 5000		67.4	69.6	72.7	73.1	73.1	73.7	73.8	73.8	74.4	74.4	74.6	75.1	75.1	75.5	75.6
GE 4500		71.1	73.5	76.9	77.3	77.3	77.8	78.0	78.0	78.6	78.6	78.9	79.4	79.4	79.8	80.0
GE 4000		73.8	76.5	80.0	80.4	80.4	81.0	81.1	81.1	81.7	81.7	82.0	82.5	82.5	82.9	83.1
GE 3500		77.6	80.6	84.5	84.9	84.9	85.5	85.6	85.6	86.2	86.2	86.6	87.0	87.0	87.4	87.6
GE 3000		80.1	83.2	87.3	87.7	87.7	88.6	88.7	88.7	89.5	89.5	89.8	90.2	90.2	90.6	90.9
GE 2500		80.4	83.7	88.1	88.5	88.5	89.4	89.5	89.5	90.2	90.2	90.5	91.0	91.0	91.4	91.6
GE 2000		91.8	85.2	89.7	90.2	90.2	91.2	91.3	91.3	92.0	92.0	92.4	92.8	92.8	93.2	93.4
GE 1800		82.4	85.7	90.2	90.8	90.9	91.9	92.0	92.0	92.6	92.6	93.1	93.5	93.5	94.0	94.2
GE 1500		83.4	86.9	91.9	92.5	92.6	93.7	94.0	94.0	95.1	95.1	95.4	95.8	95.8	96.2	96.5
GE 1200		83.7	87.2	92.5	93.1	93.2	94.6	95.1	95.1	96.3	96.3	96.7	97.1	97.1	97.5	97.7
GE 1000		84.1	87.8	93.3	94.0	94.2	95.6	96.2	96.2	97.5	97.5	97.8	98.3	98.3	98.7	98.9
GE 900		84.1	88.0	93.4	94.1	94.3	95.7	96.3	96.3	97.6	97.6	98.0	98.4	98.4	98.8	99.0
GE 800		84.2	88.1	93.7	94.3	94.5	96.0	96.7	96.7	98.0	98.0	98.3	98.7	98.7	99.1	99.4
GE 700		84.2	88.1	93.9	94.5	94.7	96.2	96.9	96.9	98.2	98.2	98.5	98.9	98.9	99.4	99.6
GE 600		84.2	88.1	93.9	94.5	94.7	96.2	96.9	96.9	98.5	98.5	98.8	99.2	99.2	99.7	99.9
GE 500		84.2	88.1	93.9	94.5	94.7	96.2	96.9	96.9	98.5	98.5	98.8	99.2	99.2	99.7	99.9
GE 400		84.2	88.1	93.9	94.5	94.7	96.2	96.9	96.9	98.5	98.5	98.8	99.2	99.2	99.7	99.9
GE 300		84.2	88.1	93.9	94.5	94.7	96.2	96.9	96.9	98.5	98.5	98.8	99.2	99.2	99.7	99.9
GE 200		84.2	88.1	93.9	94.5	94.7	96.2	96.9	96.9	98.5	98.5	98.8	99.2	99.2	99.7	99.9
GE 100		84.2	88.1	93.9	94.5	94.7	96.2	96.9	96.9	98.5	98.5	98.8	99.2	99.2	99.7	99.9
GE 0		84.2	88.1	93.9	94.5	94.7	96.2	96.9	96.9	98.5	98.5	98.8	99.2	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAY HOURS (LST): 0300-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 49	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		37.4	42.0	43.5	44.4	44.5	45.3	45.3	45.3	47.2	47.5	47.5	48.1	48.8	49.2	49.8	
GE 20000		39.8	44.5	46.5	47.3	47.4	48.3	48.4	48.4	50.3	50.6	50.6	51.2	51.9	52.4	52.9	
GE 18000		39.8	44.5	46.5	47.3	47.4	48.3	48.4	48.4	50.3	50.6	50.6	51.2	51.9	52.4	52.9	
GE 16000		39.8	44.5	46.5	47.3	47.4	48.3	48.4	48.4	50.3	50.6	50.6	51.2	51.9	52.4	52.9	
GE 14000		40.0	44.7	46.7	47.6	47.7	48.6	48.7	48.7	50.6	51.0	51.0	51.5	52.3	52.7	53.2	
GE 12000		40.2	44.9	47.0	48.0	48.1	48.9	49.0	49.0	51.0	51.3	51.3	51.8	52.6	53.0	53.5	
GE 10000		43.0	47.8	49.9	50.9	51.0	51.8	51.9	51.9	53.9	54.2	54.2	54.7	55.5	55.9	56.5	
GE 9000		43.6	48.6	50.6	51.6	51.7	52.6	52.7	52.7	54.6	54.9	54.9	55.5	56.2	56.7	57.2	
GE 8000		47.8	52.8	55.2	56.1	56.2	57.1	57.3	57.3	59.2	59.6	59.6	60.1	60.9	61.3	61.8	
GE 7000		49.5	54.5	57.0	58.3	58.4	59.4	59.7	59.7	61.6	61.9	61.9	62.5	63.2	63.9	64.4	
GE 6000		49.8	54.8	57.4	58.7	58.8	59.8	60.1	60.1	62.0	62.4	62.4	62.9	63.7	64.3	64.8	
GE 5000		53.1	58.2	61.2	62.6	62.7	63.7	64.0	64.0	65.9	66.2	66.2	66.8	67.5	68.2	68.7	
GE 4500		56.7	62.5	65.5	66.9	67.0	68.0	68.3	68.3	70.3	70.6	70.6	71.4	72.2	72.9	73.5	
GE 4000		62.2	68.0	71.0	72.4	72.5	73.4	73.8	73.8	76.0	76.3	76.3	77.1	77.8	78.7	79.4	
GE 3500		65.4	71.7	75.2	76.6	76.7	77.6	78.0	78.0	80.2	80.5	80.5	81.3	82.0	83.0	83.7	
GE 3000		68.2	74.5	78.3	79.8	79.9	80.9	81.3	81.3	83.5	83.9	83.9	84.6	85.4	86.3	87.0	
GE 2500		70.0	76.3	80.1	81.6	81.7	82.7	83.1	83.1	85.4	85.7	85.7	86.5	87.2	88.2	88.8	
GE 2000		71.6	78.0	82.3	83.8	83.9	84.9	85.4	85.4	87.6	88.0	88.0	88.7	89.5	90.4	91.1	
GE 1800		71.9	78.3	82.8	84.3	84.4	85.8	86.2	86.2	88.5	88.8	88.8	89.6	90.3	91.3	91.9	
GE 1500		73.2	79.7	84.5	86.0	86.2	88.2	88.7	88.7	91.2	91.5	91.5	92.3	93.0	94.0	94.6	
GE 1200		73.8	80.2	85.3	86.9	87.2	89.2	90.0	90.0	92.5	92.8	92.8	93.5	94.3	95.3	95.9	
GE 1000		74.1	80.6	85.9	88.0	88.3	90.3	91.1	91.1	93.5	93.9	93.9	94.6	95.4	96.3	97.0	
GE 900		74.2	80.8	86.0	88.1	88.4	90.4	91.3	91.3	93.8	94.1	94.1	94.8	95.6	96.6	97.2	
GE 800		74.5	81.1	86.5	88.6	88.9	91.3	92.3	92.3	94.7	95.1	95.1	95.8	96.6	97.5	98.2	
GE 700		74.6	81.3	87.2	89.4	89.7	92.0	93.0	93.0	95.5	95.8	95.8	96.6	97.3	98.3	98.9	
GE 600		74.6	81.3	87.2	89.4	89.7	92.0	93.0	93.0	95.6	96.1	96.1	96.9	97.6	98.6	99.2	
GE 500		74.6	81.3	87.2	89.4	89.7	92.0	93.0	93.0	95.6	96.1	96.1	96.9	97.6	98.6	99.2	
GE 400		74.6	81.3	87.2	89.4	89.7	92.0	93.0	93.0	95.6	96.1	96.1	96.9	97.6	98.6	99.2	
GE 300		74.6	81.3	87.2	89.4	89.7	92.0	93.0	93.0	95.6	96.1	96.1	96.9	97.6	98.6	99.2	
GE 200		74.6	81.3	87.2	89.4	89.7	92.0	93.0	93.0	95.7	96.2	96.2	97.0	97.8	99.2	99.9	
GE 100		74.6	81.3	87.2	89.4	89.7	92.0	93.0	93.0	95.7	96.2	96.2	97.0	97.8	99.2	99.9	
GE 0		74.6	81.3	87.2	89.4	89.7	92.0	93.0	93.0	95.7	96.2	96.2	97.0	97.8	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: PAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAY HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	23.9	27.4	32.7	35.1	35.6	36.2	37.0	37.4	38.1	38.1	38.1	38.3	39.0	39.9	40.3	
GE 20000	25.7	29.2	34.8	37.3	37.8	38.5	39.4	39.9	40.6	40.8	40.8	41.0	41.8	42.8	43.3	
GE 18000	25.8	29.4	34.9	37.4	38.0	38.6	39.5	40.0	40.8	40.9	40.9	41.1	41.9	42.9	43.4	
GE 16000	25.8	29.5	35.1	37.5	38.1	38.7	39.6	40.1	40.9	41.0	41.0	41.2	42.0	43.0	43.5	
GE 14000	25.8	29.5	35.3	37.7	38.3	38.9	39.8	40.3	41.2	41.3	41.3	41.5	42.4	43.3	43.9	
GE 12000	26.2	29.9	35.7	38.4	38.9	39.6	40.4	41.0	41.8	41.9	41.9	42.2	43.0	44.0	44.5	
GE 10000	28.6	32.3	38.5	41.2	41.7	42.4	43.2	43.8	44.7	44.8	44.8	45.1	45.9	46.9	47.4	
GE 9000	29.5	33.2	39.7	42.4	42.9	43.5	44.4	45.1	46.0	46.1	46.1	46.3	47.2	48.2	48.7	
GE 8000	34.2	38.7	46.0	48.9	49.6	50.4	51.3	51.9	53.1	53.2	53.2	53.5	54.4	55.4	55.9	
GE 7000	35.2	39.9	47.4	50.4	51.1	52.0	52.9	53.5	54.7	54.8	54.8	55.2	56.0	57.1	57.7	
GE 6000	35.9	40.8	48.4	51.4	52.0	53.0	53.9	54.5	55.7	55.8	55.8	56.1	57.0	58.1	58.7	
GE 5000	38.8	43.9	51.9	55.1	55.7	56.7	57.5	58.2	59.5	59.6	59.7	60.0	60.9	61.9	62.6	
GE 4500	41.1	46.7	55.1	59.3	58.9	60.0	60.9	61.5	63.1	63.3	63.4	63.8	64.6	65.8	66.6	
GE 4000	45.3	51.9	61.1	64.8	65.5	66.9	67.8	68.6	70.4	70.6	70.8	71.1	71.9	73.1	73.9	
GE 3500	47.4	54.4	64.1	68.4	69.0	70.5	71.5	72.3	74.1	74.3	74.4	74.7	75.6	76.8	77.5	
GE 3000	50.0	57.2	68.3	73.1	73.8	75.5	76.6	77.4	79.4	79.6	79.7	80.0	80.9	82.0	82.8	
GE 2500	51.3	58.5	69.7	74.5	75.2	76.9	78.1	78.9	81.1	81.3	81.4	81.7	82.6	83.8	84.5	
GE 2000	53.9	61.3	72.6	77.5	78.3	80.0	81.2	82.0	84.2	84.4	84.5	84.8	85.7	86.9	87.6	
GE 1800	54.1	61.5	72.9	78.0	78.7	80.5	81.7	82.6	84.7	84.9	85.1	85.4	86.2	87.4	88.2	
GE 1500	56.0	63.4	75.6	81.3	82.0	83.9	85.1	86.1	88.3	88.5	88.6	88.9	89.8	91.0	91.7	
GE 1200	56.9	64.4	76.8	82.5	83.2	85.1	86.2	87.3	89.5	89.7	89.8	90.1	91.0	92.3	93.0	
GE 1000	57.5	65.1	77.8	84.0	84.7	86.8	88.0	89.0	91.3	91.5	91.6	91.9	92.8	94.1	94.7	
GE 900	57.5	65.1	77.8	84.1	84.8	86.9	88.1	89.1	91.4	91.6	91.7	92.0	92.9	94.2	94.9	
GE 800	57.5	65.1	78.0	84.2	84.9	87.1	88.5	89.7	92.2	92.4	92.5	92.8	93.7	94.9	95.7	
GE 700	57.6	65.4	78.6	85.1	85.9	88.1	89.5	90.6	93.1	93.4	93.5	93.9	94.7	96.0	96.8	
GE 600	57.6	65.4	78.6	85.2	86.0	88.2	89.6	91.0	93.5	93.9	94.0	94.3	95.2	96.5	97.2	
GE 500	57.6	65.4	78.6	85.4	86.2	88.4	90.0	91.4	94.0	94.3	94.4	94.7	95.6	96.9	97.6	
GE 400	57.6	65.4	78.6	85.4	86.2	88.4	90.0	91.4	94.1	94.4	94.5	94.8	95.7	97.0	97.7	
GE 300	57.6	65.4	78.6	85.4	86.2	88.4	90.0	91.4	94.2	94.5	94.6	95.2	96.0	97.4	98.2	
GE 200	57.6	65.4	78.6	85.4	86.2	88.4	90.0	91.4	94.2	94.5	94.6	95.2	96.2	98.3	99.6	
GE 100	57.6	65.4	78.6	85.4	86.2	88.4	90.0	91.4	94.2	94.5	94.6	95.3	96.3	98.4	99.9	
GE 0	57.6	65.4	78.6	85.4	86.2	88.4	90.0	91.4	94.2	94.5	94.6	95.3	96.3	98.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176140 STATION NAME: RANSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAY HOURS(IST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CLIL	I		33.0	34.5	37.5	38.0	38.1	39.2	38.3	38.3	38.5	38.5	38.5	38.5	38.7	38.8	36.8
GE 20000	I		37.2	38.8	42.4	43.2	43.3	43.5	43.7	43.7	43.9	43.9	43.9	43.9	44.1	44.2	44.2
GE 18000	I		37.4	39.1	42.9	43.8	43.9	44.1	44.2	44.2	44.4	44.4	44.4	44.4	44.6	44.7	44.7
GE 16000	I		37.4	39.1	42.9	43.8	43.9	44.1	44.2	44.2	44.4	44.4	44.4	44.4	44.6	44.7	44.7
GE 14000	I		37.5	39.2	43.1	44.2	44.3	44.5	44.7	44.7	44.9	44.9	44.9	44.9	45.2	45.3	45.3
GE 12000	I		38.0	40.0	44.2	45.4	45.5	45.7	45.9	45.9	46.1	46.1	46.1	46.1	46.3	46.5	46.5
GE 10000	I		39.8	41.8	46.1	47.3	47.4	47.6	47.8	47.8	48.1	48.1	48.1	48.1	48.3	48.4	48.4
GE 9000	I		41.0	43.0	47.3	48.5	48.6	48.8	49.0	49.0	49.2	49.2	49.2	49.2	49.5	49.6	49.6
GE 8000	I		45.5	48.0	52.5	53.8	53.9	54.4	54.6	54.6	54.8	54.8	54.8	54.8	55.1	55.2	55.2
GE 7000	I		46.9	49.4	54.3	55.7	55.8	56.5	56.7	56.7	56.9	56.9	56.9	56.9	57.1	57.2	57.2
GE 6000	I		47.3	49.8	54.7	56.1	56.2	56.9	57.1	57.1	57.3	57.3	57.3	57.3	57.5	57.6	57.6
GE 5000	I		49.6	52.4	57.5	59.4	59.5	60.4	63.6	60.6	60.9	60.9	60.9	60.9	61.1	61.2	61.2
GE 4500	I		51.4	54.4	59.9	61.8	61.9	63.0	63.2	63.2	63.4	63.4	63.4	63.4	63.7	63.8	63.8
GE 4000	I		54.8	58.3	64.3	66.2	66.5	67.8	68.3	68.3	68.6	68.6	68.6	68.6	68.8	68.9	68.9
GE 3500	I		57.1	60.6	67.3	69.8	70.0	71.4	71.8	71.8	72.4	72.4	72.4	72.4	72.6	72.7	72.7
GE 3000	I		54.6	68.5	75.6	78.4	78.6	80.1	80.5	80.5	81.1	81.1	81.1	81.1	81.3	81.4	81.4
GE 2500	I		67.1	71.0	78.5	81.3	81.5	83.0	83.4	83.4	84.0	84.0	84.0	84.0	84.2	84.3	84.3
GE 2000	I		70.1	74.2	82.0	85.2	85.5	87.0	87.4	87.4	88.0	88.0	88.0	88.0	88.2	88.3	88.3
GE 1800	I		70.4	74.5	82.5	85.6	85.9	87.4	87.8	87.8	88.4	88.4	88.4	88.4	88.6	88.7	88.7
GE 1500	I		72.7	77.0	85.4	89.1	89.5	91.1	91.6	91.7	92.3	92.3	92.3	92.3	92.5	92.6	92.6
GE 1200	I		73.1	77.6	86.6	91.0	91.4	93.2	93.9	94.0	94.5	94.5	94.5	94.5	94.7	94.8	94.8
GE 1000	I		74.1	78.7	88.0	92.5	92.9	94.8	95.5	95.6	96.1	96.1	96.1	96.1	96.3	96.5	96.5
GE 900	I		74.4	79.0	88.4	93.0	93.4	95.4	96.0	96.1	96.7	96.7	96.7	96.7	96.9	97.0	97.0
GE 800	I		74.4	79.1	88.5	93.1	93.7	95.7	96.5	96.6	97.1	97.1	97.1	97.1	97.3	97.4	97.4
GE 700	I		74.4	79.2	88.6	93.7	94.4	96.5	97.2	97.3	98.1	98.1	98.1	98.1	98.3	98.4	98.4
GE 600	I		74.4	79.2	88.6	93.7	94.6	96.7	97.4	97.5	98.3	98.3	98.3	98.3	98.5	98.6	98.6
GE 500	I		74.4	79.2	88.6	93.8	94.7	96.9	98.0	98.2	99.2	99.2	99.2	99.2	99.5	99.6	99.6
GE 400	I		74.4	79.2	88.6	93.8	94.7	96.9	98.0	98.2	99.4	99.4	99.4	99.4	99.6	99.7	99.7
GE 300	I		74.4	79.2	88.6	93.8	94.7	96.9	98.0	98.2	99.5	99.5	99.5	99.5	99.7	99.8	99.8
GE 200	I		74.4	79.2	88.6	93.8	94.7	96.9	98.0	98.2	99.5	99.5	99.5	99.5	99.8	99.9	100.0
GE 100	I		74.4	79.2	88.6	93.8	94.7	96.9	98.0	98.2	99.5	99.5	99.5	99.5	99.8	99.9	100.0
GE 0	I		74.4	79.2	88.6	93.8	94.7	96.9	98.0	98.2	99.5	99.5	99.5	99.5	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAY HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL	35.3	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
GE 20000	43.6	44.2	44.5	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 18000	44.2	44.6	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 16000	44.3	44.7	45.1	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 14000	44.3	44.7	45.1	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 12000	44.5	45.2	45.5	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 10000	47.1	47.7	48.1	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 9000	47.7	48.4	48.7	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 8000	50.1	50.8	51.1	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 7000	51.3	52.0	52.5	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 6000	52.0	52.6	53.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 5000	54.3	55.1	55.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 4500	57.1	57.8	58.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 4000	62.0	62.8	63.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 3500	69.5	70.2	71.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 3000	80.6	81.6	83.2	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
GE 2500	83.3	84.3	86.3	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
GE 2000	85.7	87.1	89.4	91.0	91.0	91.0	91.0	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4
GE 1800	86.2	87.6	89.9	91.5	91.5	91.5	91.5	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9
GE 1600	88.2	89.7	92.0	93.8	93.8	93.8	93.8	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2
GE 1400	89.5	91.3	94.0	95.8	95.8	95.8	95.9	96.0	96.5	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200	90.2	92.2	95.3	97.3	97.3	97.3	97.4	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 1000	90.3	92.3	95.4	97.5	97.5	97.5	97.6	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	90.3	92.3	95.5	97.6	97.6	97.6	97.8	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	90.3	92.3	95.6	97.8	97.8	97.8	98.1	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	90.3	92.3	95.6	97.8	97.8	97.8	98.4	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	90.3	92.3	95.6	97.8	97.8	97.8	98.4	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	90.3	92.3	95.6	98.0	98.0	98.0	98.8	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	90.3	92.3	95.6	98.0	98.0	98.0	98.8	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	90.3	92.3	95.6	98.0	98.0	98.0	98.8	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.3	92.3	95.6	98.0	98.0	98.0	98.8	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.3	92.3	95.6	98.0	98.0	98.0	98.8	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	90.3	92.3	95.6	98.0	98.0	98.0	98.8	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: MAY HOURS(LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GF	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		35.2	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 20000		43.7	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 18000		44.3	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 16000		44.5	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 14000		44.5	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 12000		45.1	45.4	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 10000		47.2	47.6	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.5
GE 9000		48.0	48.4	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2
GE 8000		52.0	52.5	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7
GE 7000		53.3	53.8	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2
GE 6000		54.5	54.9	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3
GE 5000		57.1	57.5	58.9	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6
GE 4500		60.0	60.4	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5
GE 4000		66.8	67.2	68.9	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6
GE 3500		72.9	73.5	75.5	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1
GE 3000		84.1	85.1	87.3	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.0
GE 2500		87.4	88.4	90.8	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5
GE 2000		91.0	91.9	94.5	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4
GE 1800		91.1	92.0	94.9	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.6
GE 1500		92.2	93.3	96.6	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
GE 1200		92.8	94.1	97.5	98.3	98.3	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
GE 1000		93.0	94.3	97.7	98.5	98.5	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
GE 900		93.0	94.3	97.8	98.6	98.6	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 800		93.0	94.4	98.0	98.7	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4
GE 700		93.0	94.4	98.0	98.7	98.8	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
GE 600		93.0	94.4	98.0	98.7	98.8	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 500		93.0	94.4	98.0	98.7	98.8	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 400		93.0	94.4	98.0	98.7	98.8	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 300		93.0	94.4	98.0	98.7	98.8	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 200		93.0	94.4	98.0	98.7	98.8	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 100		93.0	94.4	98.0	98.7	98.8	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 0		93.0	94.4	98.0	98.7	98.8	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAY HOURS(LST): 1400-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GL 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GL 16	GL 12	GL 10	GE 8	GE 5	GL 4	GE 0
NO CEIL		41.0	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 20000		49.6	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 18000		49.8	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 16000		49.9	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 14000		50.1	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 12000		51.2	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 10000		54.0	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 9000		55.9	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 8000		61.6	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 7000		64.4	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 6000		64.9	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 5000		68.0	68.7	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 4500		71.8	72.6	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 4000		75.5	76.3	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 3500		81.8	83.0	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 3000		88.3	89.6	90.8	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2500		89.2	90.6	91.8	92.3	92.4	92.4	92.4	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2000		91.2	92.9	94.2	94.6	94.7	94.7	94.7	94.7	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800		91.6	93.3	94.7	95.3	95.4	95.4	95.4	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1500		93.7	95.5	97.0	97.6	97.7	97.7	97.7	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200		94.1	95.9	97.4	98.1	98.3	98.3	98.3	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000		94.1	95.9	97.4	98.1	98.4	98.4	98.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900		94.1	95.9	97.6	98.3	98.6	98.7	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800		94.1	95.9	97.6	98.3	98.6	98.7	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700		94.1	95.9	97.6	98.5	98.8	98.9	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600		94.1	95.9	97.6	98.5	98.8	98.9	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500		94.1	95.9	97.6	98.5	98.8	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400		94.1	95.9	97.6	98.5	98.8	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300		94.1	95.9	97.6	98.5	98.8	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		94.1	95.9	97.6	98.5	98.8	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		94.1	95.9	97.6	98.5	98.8	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		94.1	95.9	97.6	98.5	98.8	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAY HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	44.7	45.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 20000	51.5	52.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 18000	51.6	52.2	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 16000	51.6	52.2	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 14000	51.8	52.4	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 12000	51.9	52.6	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 10000	56.8	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	56.7
GE 9000	57.8	58.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 8000	62.4	63.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 7000	65.3	66.2	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 6000	66.1	67.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 5000	70.6	71.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 4500	74.6	75.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.8
GE 4000	79.4	80.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	83.0
GE 3500	82.4	83.9	86.3	86.3	86.3	86.5	86.9	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.3
GE 3000	86.1	87.6	90.5	90.5	90.8	91.0	91.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.3
GE 2500	87.0	88.5	91.6	91.6	92.0	92.9	92.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.3
GE 2000	88.4	90.2	93.3	93.8	94.0	94.8	94.8	94.8	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.4
GE 1800	88.7	90.5	93.8	94.2	94.4	95.3	95.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.8
GE 1500	89.4	91.5	95.4	95.8	96.0	96.9	96.9	96.9	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.6
GE 1200	89.5	91.8	95.8	96.2	96.5	97.5	97.6	97.6	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.4
GE 1000	89.6	92.0	96.0	96.5	96.7	97.7	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.8
GE 900	89.6	92.0	96.3	96.8	97.0	98.1	98.4	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.1
GE 800	89.6	92.0	96.3	96.9	97.1	98.2	98.5	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 700	89.6	92.0	96.3	97.0	97.2	98.3	98.8	98.8	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.6
GE 600	89.6	92.0	96.3	97.0	97.2	98.3	98.9	98.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 500	89.6	92.0	96.3	97.0	97.2	98.3	98.9	98.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 400	89.6	92.0	96.3	97.0	97.2	98.3	98.9	98.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 300	89.6	92.0	96.3	97.0	97.2	98.3	98.9	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	89.6	92.0	96.3	97.0	97.2	98.3	98.9	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	89.6	92.0	96.3	97.0	97.2	98.3	98.9	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 01	89.6	92.0	96.3	97.0	97.2	98.3	98.9	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: MAY HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		37.4	39.0	40.7	41.2	41.3	41.5	41.6	41.7	42.1	42.1	42.2	42.3	42.5	42.7	42.8
GE 20000		42.9	44.6	46.5	47.1	47.2	47.5	47.6	47.7	48.1	48.2	48.2	48.3	48.5	48.8	48.9
GE 18000		43.1	44.8	46.7	47.4	47.4	47.7	47.9	47.9	48.4	48.4	48.4	48.6	48.8	49.0	49.2
GE 16000		43.2	44.9	46.8	47.4	47.5	47.8	47.9	48.0	48.5	48.5	48.5	48.6	48.9	49.1	49.3
GE 14000		43.3	45.0	47.0	47.7	47.8	48.0	48.2	48.3	48.7	48.8	48.8	48.9	49.1	49.4	49.5
GE 12000		43.7	45.6	47.6	48.3	48.4	48.7	48.9	48.9	49.4	49.4	49.4	49.6	49.8	50.0	50.2
GE 10000		46.5	48.5	50.7	51.4	51.5	51.7	51.9	52.0	52.4	52.5	52.5	52.6	52.9	53.1	53.3
GE 9000		47.5	49.5	51.7	52.4	52.5	52.8	53.0	53.0	53.5	53.6	53.6	53.7	53.9	54.2	54.3
GE 8000		51.8	53.9	56.4	57.2	57.3	57.6	57.8	57.9	58.4	58.5	58.5	58.6	58.9	59.1	59.2
GE 7000		53.7	55.9	58.5	59.5	59.6	60.0	60.1	60.2	60.7	60.8	60.8	61.0	61.2	61.5	61.7
GE 6000		54.3	56.5	59.2	60.1	60.2	60.6	60.8	60.9	61.4	61.5	61.5	61.6	61.9	62.2	62.3
GE 5000		57.4	59.6	62.6	63.7	63.8	64.2	64.4	64.5	65.0	65.1	65.1	65.3	65.5	65.8	66.0
GE 4500		60.5	62.9	66.0	67.2	67.3	67.7	67.9	68.0	68.6	68.7	68.7	68.9	69.2	69.5	69.7
GE 4000		65.0	67.7	71.1	72.3	72.4	72.9	73.2	73.3	73.9	74.0	74.1	74.2	74.5	74.8	75.0
GE 3500		69.3	72.3	76.1	77.4	77.6	78.2	78.4	78.5	79.2	79.3	79.3	79.5	79.7	80.1	80.3
GE 3000		75.3	78.4	82.7	84.2	84.3	85.1	85.3	85.4	86.2	86.3	86.3	86.5	86.7	87.1	87.3
GE 2500		77.0	80.2	84.6	86.2	86.3	87.1	87.3	87.4	88.3	88.3	88.4	88.6	88.8	89.1	89.4
GE 2000		79.2	82.6	87.2	88.9	89.1	89.9	90.1	90.3	91.1	91.2	91.2	91.4	91.6	92.0	92.2
GE 1800		79.6	82.9	87.7	89.4	89.6	90.4	90.7	90.9	91.7	91.7	91.8	92.0	92.2	92.6	92.8
GE 1500		81.1	84.6	89.8	91.7	91.9	92.8	93.1	93.3	94.2	94.3	94.4	94.5	94.8	95.1	95.3
GE 1200		81.7	85.3	90.7	92.7	93.0	94.0	94.4	94.7	95.6	95.7	95.8	95.9	96.2	96.5	96.7
GE 1000		82.1	85.8	91.4	93.6	93.9	95.0	95.4	95.7	96.7	96.7	96.8	97.0	97.2	97.5	97.8
GE 900		82.2	85.9	91.6	93.8	94.1	95.2	95.7	95.9	96.9	97.0	97.0	97.2	97.4	97.8	98.0
GE 800		82.2	86.0	91.7	94.0	94.3	95.5	96.0	96.3	97.3	97.3	97.4	97.6	97.8	98.2	98.4
GE 700		82.2	86.1	92.0	94.3	94.7	95.9	96.5	96.8	97.8	97.9	97.9	98.1	98.3	98.7	98.9
GE 600		82.2	86.1	92.0	94.3	94.7	96.0	96.6	96.9	98.0	98.1	98.2	98.3	98.6	98.9	99.2
GE 500		82.2	86.1	92.0	94.4	94.8	96.1	96.8	97.2	98.3	98.4	98.5	98.7	98.9	99.2	99.5
GE 400		82.2	86.1	92.0	94.4	94.8	96.1	96.8	97.2	98.3	98.5	98.5	98.7	98.9	99.3	99.5
GE 300		82.2	86.1	92.0	94.4	94.8	96.1	96.8	97.2	98.4	98.5	98.6	98.8	99.0	99.4	99.6
GE 200		82.2	86.1	92.0	94.4	94.8	96.1	96.8	97.2	98.5	98.6	98.6	98.8	99.1	99.6	99.9
GE 100		82.2	86.1	92.0	94.4	94.8	96.1	96.8	97.2	98.5	98.6	98.6	98.8	99.1	99.6	100.0
GE 0		82.2	86.1	92.0	94.4	94.8	96.1	96.8	97.2	98.5	98.6	98.6	98.8	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JUN HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		48.2	50.3	51.0	51.1	51.1	51.9	51.9	52.1	52.8	53.0	53.0	53.2	53.3	53.9	54.1
GE 20000		52.1	54.7	55.7	55.8	55.8	56.6	56.6	56.9	57.7	57.9	57.9	58.1	58.2	58.8	59.0
GE 18000		52.1	54.7	55.7	55.8	55.8	56.6	56.6	56.9	57.7	57.9	57.9	58.1	58.2	58.8	59.0
GE 16000		52.1	54.7	55.7	55.8	55.8	56.6	56.6	56.9	57.7	57.9	57.9	58.1	58.2	58.8	59.0
GE 14000		52.3	54.9	55.9	56.0	56.0	56.8	56.8	57.1	57.9	58.1	58.1	58.3	58.4	59.0	59.2
GE 12000		52.8	55.3	56.3	56.4	56.4	57.2	57.2	57.6	58.3	58.6	58.6	58.8	58.9	59.4	59.7
GE 10000		55.4	58.2	59.4	59.6	59.6	60.4	60.4	60.8	61.6	61.8	61.8	62.0	62.1	62.8	63.0
GE 9000		56.0	58.9	60.4	60.6	60.6	61.4	61.4	61.8	62.6	62.8	62.8	63.0	63.2	63.9	64.1
GE 8000		59.9	62.8	64.6	64.8	64.8	65.7	65.7	66.0	66.8	67.0	67.0	67.2	67.4	68.1	68.3
GE 7000		60.4	63.3	65.1	65.3	65.3	66.2	66.2	66.6	67.3	67.6	67.6	67.8	68.0	68.7	68.9
GE 6000		60.4	63.3	65.1	65.3	65.3	66.2	66.2	66.6	67.3	67.6	67.6	67.8	68.0	68.7	68.9
GE 5000		64.2	67.4	69.7	69.9	69.9	70.9	70.9	71.2	72.1	72.3	72.3	72.7	72.9	73.6	73.8
GE 4500		68.9	72.7	75.7	76.0	76.0	77.0	77.0	77.3	78.3	78.6	78.6	78.9	79.1	79.9	80.1
GE 4000		73.8	77.6	80.9	81.2	81.2	82.2	82.2	82.6	83.6	83.8	83.8	84.1	84.3	85.1	85.3
GE 3500		77.9	81.9	85.6	85.9	85.9	86.9	86.9	87.2	88.2	88.4	88.4	88.8	89.0	89.8	90.0
GE 3000		79.4	83.7	87.6	87.9	87.9	88.9	88.9	89.2	90.3	90.6	90.6	90.9	91.1	91.9	92.1
GE 2500		80.3	84.7	89.2	89.6	89.6	90.9	90.9	91.3	92.7	92.9	92.9	93.2	93.4	94.2	94.4
GE 2000		82.0	86.4	91.2	91.9	91.9	93.6	93.6	94.0	95.3	95.6	95.6	95.9	96.1	96.9	97.1
GE 1800		82.2	86.7	91.4	92.1	92.1	93.8	93.8	94.2	95.7	95.9	95.9	96.2	96.4	97.2	97.4
GE 1500		82.8	87.3	92.3	93.1	93.1	94.9	94.9	95.3	96.8	97.0	97.0	97.3	97.6	98.3	98.6
GE 1200		82.8	87.4	92.6	93.3	93.3	95.1	95.1	95.6	97.0	97.2	97.2	97.6	97.8	98.6	98.8
GE 1000		82.9	87.6	92.7	93.6	93.6	95.3	95.3	95.8	97.2	97.4	97.4	97.8	98.0	98.8	99.0
GE 900		83.2	87.9	93.0	93.9	93.9	95.7	95.7	96.1	97.6	97.8	97.8	98.1	98.3	99.1	99.3
GE 800		83.2	87.9	93.1	94.0	94.0	95.8	95.8	96.2	97.7	97.9	97.9	98.2	98.4	99.2	99.4
GE 700		83.2	87.9	93.1	94.0	94.0	95.8	95.8	96.2	97.7	97.9	97.9	98.2	98.4	99.2	99.4
GE 600		83.2	87.9	93.1	94.0	94.0	95.8	95.8	96.2	97.7	97.9	97.9	98.2	98.4	99.2	99.4
GE 500		83.2	87.9	93.1	94.0	94.0	95.8	95.8	96.2	97.7	97.9	97.9	98.2	98.4	99.2	99.6
GE 400		83.2	87.9	93.1	94.0	94.0	95.8	95.8	96.2	97.7	97.9	97.9	98.2	98.4	99.2	99.6
GE 300		83.2	87.9	93.1	94.0	94.0	95.8	95.8	96.2	97.7	97.9	97.9	98.2	98.6	99.3	99.7
GE 200		83.2	87.9	93.1	94.0	94.0	95.8	95.8	96.2	97.7	97.9	97.9	98.2	98.6	99.3	99.7
GE 100		83.2	87.9	93.1	94.0	94.0	95.8	95.8	96.2	97.7	97.9	97.9	98.2	98.6	99.3	99.9
GE 0		83.2	87.9	93.1	94.0	94.0	95.8	95.8	96.2	97.7	97.9	97.9	98.2	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR FATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JUN HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GL 80	GE 60	GE 48	GE 40	GE 32	GF 24	GE 20	GE 16	GL 12	GE 10	GE 8	GE 5	GE 4	GE U
NO CEIL		36.2	41.3	45.3	46.4	46.4	47.3	47.7	47.9	48.8	48.9	48.9	49.9	50.0	50.9	51.2
GE 20000		38.1	43.4	47.7	48.8	48.8	49.8	50.1	50.4	51.7	51.8	51.8	52.8	52.9	53.8	54.1
GE 18000		38.1	43.4	47.7	48.8	48.8	49.8	50.1	50.4	51.7	51.8	51.8	52.8	52.9	53.8	54.1
GE 16000		38.1	43.4	47.7	48.8	48.8	49.8	50.1	50.4	51.7	51.8	51.8	52.8	52.9	53.8	54.1
GE 14000		38.1	43.4	47.7	48.8	48.8	49.8	50.1	50.4	51.7	51.8	51.8	52.8	52.9	53.8	54.1
GE 12000		38.4	43.8	48.0	49.1	49.1	50.1	50.4	50.8	52.0	52.1	52.1	53.1	53.2	54.1	54.4
GE 10000		40.9	46.6	50.8	51.9	51.9	53.1	53.4	53.8	55.0	55.1	55.1	56.1	56.2	57.1	57.4
GE 9000		41.8	47.4	51.8	52.9	52.9	54.1	54.4	54.8	56.0	56.1	56.1	57.1	57.2	58.1	58.4
GE 8000		46.3	52.3	56.8	58.1	58.1	59.4	59.8	60.1	61.7	61.8	61.8	62.8	62.9	63.8	64.1
GE 7000		47.1	53.2	57.8	59.1	59.1	60.4	60.8	61.1	62.7	62.8	62.8	63.8	63.9	64.8	65.1
GE 6000		47.2	53.3	57.9	59.2	59.2	60.6	60.9	61.2	62.8	62.9	62.9	63.9	64.0	64.9	65.2
GE 5000		50.8	57.3	62.1	63.4	63.4	64.8	65.1	65.4	67.1	67.2	67.2	68.3	68.6	69.6	70.0
GE 4500		54.1	61.4	66.7	68.1	68.1	69.9	70.2	70.6	72.2	72.3	72.3	73.4	73.7	74.7	75.1
GE 4000		59.3	66.9	72.7	74.2	74.3	76.0	76.3	76.7	78.3	78.4	78.4	79.6	79.8	80.8	81.2
GE 3500		63.6	71.2	77.3	79.0	79.1	80.8	81.3	81.7	83.3	83.4	83.4	84.6	84.8	85.9	86.3
GE 3000		66.4	74.3	80.7	82.7	82.9	84.6	85.1	85.6	87.2	87.3	87.3	88.4	88.7	89.8	90.4
GE 2500		67.1	75.1	81.4	83.4	83.7	85.6	86.1	86.6	88.4	88.6	88.6	89.7	89.9	91.0	91.7
GE 2000		68.3	76.6	83.2	85.2	85.4	87.4	88.0	88.6	90.6	90.7	90.7	91.8	92.0	93.1	93.6
GE 1800		68.6	76.8	83.4	85.4	85.7	87.7	88.2	88.8	90.8	90.9	90.9	92.0	92.2	93.3	94.0
GE 1500		69.8	78.1	85.0	87.4	87.8	90.1	90.7	91.2	93.2	93.3	93.3	94.6	94.8	95.9	96.6
GE 1200		69.9	78.2	85.1	87.6	87.9	90.2	90.8	91.3	93.3	93.4	93.7	94.9	95.1	96.2	96.9
GE 1000		70.3	78.7	85.7	88.2	88.9	91.3	91.9	92.4	94.4	94.6	94.8	96.0	96.2	97.4	98.1
GE 900		70.7	79.0	86.0	88.6	89.2	91.7	92.2	92.8	94.8	94.9	95.1	96.3	96.6	97.8	98.4
GE 800		70.7	79.0	86.3	88.9	89.6	92.0	92.6	93.1	95.1	95.2	95.4	96.7	96.9	98.1	98.8
GE 700		70.7	79.0	86.3	88.9	89.6	92.0	92.6	93.1	95.1	95.2	95.4	96.7	96.9	98.1	98.8
GE 600		70.7	79.0	86.3	88.9	89.6	92.0	92.6	93.1	95.1	95.3	95.6	96.8	97.0	98.2	98.9
GE 500		70.7	79.0	86.3	88.9	89.6	92.0	92.6	93.1	95.1	95.3	95.6	96.8	97.0	98.2	98.9
GE 400		70.7	79.0	86.3	88.9	89.6	92.0	92.6	93.1	95.1	95.3	95.6	96.8	97.0	98.2	98.9
GE 300		70.7	79.0	86.3	88.9	89.6	92.0	92.6	93.1	95.1	95.3	95.6	96.8	97.1	98.3	99.0
GE 200		70.7	79.0	86.3	88.9	89.6	92.0	92.6	93.1	95.1	95.3	95.6	96.8	97.1	98.3	99.3
GE 100		70.7	79.0	86.3	88.9	89.6	92.0	92.6	93.1	95.1	95.3	95.6	96.8	97.1	98.3	99.8
GE 0		70.7	79.0	86.3	88.9	89.6	92.0	92.6	93.1	95.1	95.3	95.6	96.8	97.2	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JUN HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3
NO CEIL		22.1	25.6	32.3	34.9	35.0	36.2	37.3	37.8	38.3	39.4	38.6	38.7	39.1	39.7	40.1
GE 20000		24.6	28.8	35.8	38.7	38.8	40.1	41.3	41.8	42.6	42.7	42.8	43.2	44.0	44.8	45.2
GE 18000		24.6	28.8	35.8	38.8	38.9	40.2	41.4	41.9	42.7	42.8	42.9	43.3	44.1	44.9	45.3
GE 16000		24.6	28.8	35.8	38.8	38.9	40.2	41.4	41.9	42.7	42.8	42.9	43.3	44.1	44.9	45.3
GE 14000		24.7	28.9	35.9	38.9	39.0	40.3	41.6	42.0	42.8	42.9	43.0	43.4	44.2	45.0	45.4
GE 12000		24.8	29.1	36.2	39.2	39.3	40.7	41.9	42.3	43.1	43.2	43.3	43.8	44.6	45.3	45.8
GE 10000		27.1	31.8	39.0	42.0	42.1	43.4	44.7	45.2	46.1	46.2	46.3	46.8	47.8	48.6	49.0
GE 9000		27.8	32.4	39.9	43.3	43.4	44.9	46.1	46.7	47.7	47.9	48.0	48.4	49.4	50.3	50.9
GE 8000		30.7	35.6	44.0	47.7	47.8	49.4	50.7	51.2	52.3	52.6	52.7	53.1	54.1	55.0	55.7
GE 7000		31.9	36.8	45.4	49.1	49.2	50.9	52.1	52.8	53.9	54.1	54.2	54.7	55.8	56.7	57.3
GE 6000		32.0	36.9	45.6	49.2	49.3	51.0	52.2	52.9	54.0	54.2	54.3	54.8	55.9	56.8	57.4
GE 5000		35.4	40.4	49.3	53.0	53.1	54.9	56.1	56.8	57.9	58.1	58.2	58.9	60.0	61.0	61.7
GE 4500		39.1	44.1	53.3	57.2	57.3	59.2	60.4	61.2	62.6	62.8	62.9	63.6	64.7	65.7	66.3
GE 4000		43.8	49.2	58.8	63.1	63.2	65.3	66.6	67.3	68.7	69.9	69.0	69.7	70.8	71.9	72.4
GE 3500		46.4	52.4	62.3	67.0	67.1	69.8	71.1	71.9	73.3	73.6	73.7	74.3	75.4	76.4	77.1
GE 3000		50.0	56.3	66.6	71.3	71.9	75.1	76.6	77.3	79.2	79.4	79.8	80.6	81.7	82.7	83.4
GE 2500		51.1	57.4	68.0	72.8	73.3	76.8	78.2	79.0	81.0	81.2	81.6	82.3	83.4	84.4	85.2
GE 2000		52.9	59.3	70.1	75.1	75.7	79.3	80.8	81.6	84.1	84.3	84.7	85.4	86.6	87.6	88.3
GE 1800		54.2	60.7	71.4	76.4	77.0	80.7	82.1	82.9	85.4	85.7	86.0	86.8	87.9	88.9	89.7
GE 1500		56.0	62.4	73.7	79.2	79.9	83.7	85.2	86.1	88.8	89.0	89.3	90.1	91.2	92.2	93.0
GE 1200		56.8	63.4	74.7	80.2	80.9	84.7	86.4	87.3	90.0	90.2	90.6	91.3	92.4	93.4	94.2
GE 1000		57.2	64.1	75.3	81.2	82.0	85.8	87.7	88.6	91.4	91.7	92.0	92.8	94.1	95.1	96.0
GE 900		57.7	64.6	76.0	81.9	82.7	86.7	88.7	89.6	92.4	92.7	93.0	93.8	95.1	96.1	97.0
GE 800		57.7	64.8	76.0	81.9	82.7	86.7	88.7	89.6	92.4	92.7	93.0	93.8	95.1	96.1	97.0
GE 700		57.8	64.9	76.6	82.4	83.2	87.2	89.2	90.1	93.0	93.2	93.6	94.3	95.7	96.7	97.6
GE 600		57.8	64.9	76.6	82.4	83.2	87.2	89.2	90.1	93.1	93.3	93.7	94.4	95.8	96.8	97.7
GE 500		57.8	64.9	76.6	82.4	83.2	87.2	89.2	90.2	93.2	93.4	93.8	94.6	95.9	96.9	97.8
GE 400		57.8	64.9	76.6	82.4	83.2	87.2	89.2	90.3	93.4	93.7	94.0	94.8	96.1	97.1	98.0
GE 300		57.8	64.9	76.6	82.4	83.2	87.2	89.3	90.4	93.6	93.8	94.1	94.9	96.2	97.3	98.2
GE 200		57.8	64.9	76.6	82.4	83.2	87.2	89.3	90.4	93.6	93.8	94.1	94.9	96.2	97.4	98.9
GE 100		57.8	64.9	76.6	82.4	83.2	87.2	89.3	90.4	93.6	93.8	94.1	94.9	96.2	97.9	100.0
GE 0		57.8	64.9	76.6	82.4	83.2	87.2	89.3	90.4	93.6	93.8	94.1	94.9	96.2	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 940

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JUN HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	ST 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		33.1	35.3	38.9	39.7	39.7	40.4	41.0	41.1	41.1	41.1	41.1	41.1	41.2	41.2	41.2
GE 20000		36.7	39.0	42.7	43.4	43.4	44.2	44.8	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.0
GE 18000		37.0	39.4	43.1	43.9	43.9	44.7	45.2	45.3	45.3	45.3	45.3	45.3	45.4	45.4	45.4
GE 16000		37.0	39.4	43.1	43.9	43.9	44.7	45.2	45.3	45.3	45.3	45.3	45.3	45.4	45.4	45.4
GE 14000		37.3	39.8	43.4	44.2	44.2	45.0	45.6	45.7	45.7	45.7	45.7	45.7	45.8	45.8	45.8
GE 12000		37.8	40.2	43.9	44.7	44.7	45.4	46.0	46.1	46.1	46.1	46.1	46.1	46.2	46.2	46.2
GE 10000		39.9	42.3	46.0	46.8	46.8	47.6	48.1	48.3	48.3	48.3	48.3	48.3	48.4	48.4	48.4
GE 9000		40.6	43.0	46.8	47.8	47.8	48.6	49.1	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.4
GE 8000		44.6	47.0	51.8	53.1	53.2	54.0	54.6	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9
GE 7000		45.6	48.1	53.1	54.4	54.6	55.4	56.0	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3
GE 6000		46.0	48.8	53.9	55.2	55.3	56.2	56.8	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1
GE 5000		48.6	51.7	57.1	58.4	58.6	59.4	60.0	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3
GE 4500		50.6	53.8	59.3	60.7	60.8	61.7	62.2	62.4	62.4	62.4	62.4	62.4	62.6	62.7	62.7
GE 4000		55.1	58.4	64.2	65.8	65.9	66.9	67.4	67.8	67.8	67.8	67.8	67.8	67.9	68.0	68.0
GE 3500		59.0	62.7	68.6	70.2	70.3	71.3	72.1	72.4	72.7	72.7	72.7	72.7	72.9	72.9	72.9
GE 3000		65.3	69.4	76.4	78.3	78.6	79.9	80.8	81.1	81.7	81.7	81.7	81.7	81.8	81.9	81.9
GE 2500		66.9	71.1	78.2	80.3	80.6	81.9	82.8	83.1	83.7	83.7	83.7	83.7	83.8	83.9	83.9
GE 2000		70.6	75.0	82.3	84.6	84.8	86.1	87.2	87.6	88.1	88.1	88.1	88.1	88.2	88.3	88.3
GE 1800		71.4	76.0	83.4	85.7	85.9	87.3	88.6	88.9	89.6	89.6	89.6	89.6	89.7	89.8	89.8
GE 1500		74.0	78.9	87.3	89.7	89.9	91.3	92.6	93.0	93.8	93.8	93.8	93.8	93.9	94.0	94.0
GE 1200		75.4	80.3	89.4	91.8	92.0	93.4	94.7	95.1	95.9	95.9	95.9	95.9	96.0	96.1	96.1
GE 1000		75.9	81.0	90.1	92.9	93.2	94.7	96.1	96.8	97.6	97.6	97.6	97.6	97.7	97.8	97.8
GE 900		75.9	81.0	90.2	93.0	93.3	94.8	96.2	96.9	97.7	97.7	97.7	97.7	97.8	97.9	97.9
GE 800		75.9	81.1	90.7	93.6	93.9	95.3	97.1	97.8	98.6	98.6	98.6	98.6	98.7	98.8	98.8
GE 700		76.1	81.3	90.9	93.8	94.1	95.6	97.3	98.0	98.8	98.8	98.8	98.8	98.9	99.0	99.0
GE 600		76.1	81.3	91.0	94.0	94.3	95.8	97.6	98.3	99.1	99.1	99.1	99.1	99.2	99.3	99.3
GE 500		76.1	81.3	91.0	94.0	94.3	95.8	97.7	98.4	99.2	99.2	99.2	99.2	99.3	99.4	99.4
GE 400		76.1	81.3	91.0	94.0	94.3	95.8	97.8	98.6	99.3	99.3	99.3	99.3	99.4	99.6	99.6
GE 300		76.1	81.3	91.0	94.0	94.3	95.9	98.0	98.9	99.7	99.7	99.7	99.7	99.8	99.9	99.9
GE 200		76.1	81.3	91.0	94.0	94.3	95.9	98.0	98.9	99.8	99.8	99.8	99.8	99.9	100.0	100.0
GE 100		76.1	81.3	91.0	94.0	94.3	95.9	98.0	98.9	99.8	99.8	99.8	99.8	99.9	100.0	100.0
GE 0		76.1	81.3	91.0	94.0	94.3	95.9	98.0	98.9	99.8	99.8	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JULY HOURS(IST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		36.1	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 20000		41.9	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 18000		42.6	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 16000		42.6	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 14000		42.9	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 12000		43.4	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 10000		46.7	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 9000		47.1	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 8000		50.2	50.4	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 7000		51.4	51.7	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 6000		51.9	52.1	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 5000		55.2	55.4	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 4500		57.9	58.2	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 4000		63.4	63.7	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 3500		71.1	72.3	73.9	74.2	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 3000		83.1	84.6	86.6	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 2500		85.2	86.7	88.9	89.6	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 2000		88.0	89.6	92.0	92.7	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1800		88.4	90.0	92.4	93.2	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1500		90.2	91.8	95.1	96.1	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1200		91.0	92.6	96.1	97.1	97.6	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000		91.0	92.7	96.8	97.9	98.3	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900		91.0	92.7	97.0	98.1	98.6	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800		91.0	92.7	97.0	98.2	98.8	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700		91.0	92.7	97.0	98.2	98.8	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600		91.0	92.7	97.0	98.2	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		91.0	92.7	97.0	98.2	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		91.0	92.7	97.0	98.2	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		91.0	92.7	97.0	98.2	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		91.0	92.7	97.0	98.2	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		91.0	92.7	97.0	98.2	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		91.0	92.7	97.0	98.2	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JUN HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE J
NO CEIL		35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 20000		42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 18000		43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 16000		43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 14000		44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 12000		44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 10000		49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 9000		49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 8000		54.8	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 7000		55.8	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 6000		56.2	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 5000		61.3	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 4500		64.7	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 4000		73.2	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3500		81.4	81.8	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 3000		90.4	90.9	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2500		92.4	93.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2000		93.2	94.1	95.2	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1800		93.6	94.4	95.7	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1500		94.6	95.8	97.3	97.7	97.7	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200		94.9	96.1	98.1	98.7	98.7	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000		95.1	96.3	98.3	99.0	99.0	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900		95.1	96.3	98.4	99.1	99.1	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800		95.2	96.4	98.7	99.3	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700		95.2	96.4	98.7	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		95.2	96.4	98.7	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		95.2	96.4	98.7	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		95.2	96.4	98.7	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		95.2	96.4	98.7	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		95.2	96.4	98.7	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		95.2	96.4	98.7	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE n		95.2	96.4	98.7	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JUN HOURS(IST): 1400-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 90	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3
NO CEIL			41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 20000			51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 18000			52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 16000			52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 14000			52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 12000			52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 10000			58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 9000			59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 8000			65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 7000			67.4	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 6000			67.8	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 5000			71.4	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 4500			75.7	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 4000			81.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 3500			87.4	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 3000			91.9	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2500			93.1	93.9	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 2000			93.8	94.8	96.7	96.7	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1800			94.0	95.0	96.9	97.0	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500			95.0	96.0	98.3	99.0	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200			95.0	96.1	98.7	99.3	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000			95.0	96.1	98.7	99.3	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900			95.0	96.1	98.7	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800			95.0	96.1	98.7	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700			95.0	96.1	98.7	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600			95.0	96.1	98.7	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500			95.0	96.1	98.7	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400			95.0	96.1	98.7	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300			95.0	96.1	98.7	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200			95.0	96.1	98.7	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100			95.0	96.1	98.7	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0			95.0	96.1	98.7	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JUN HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		41.0	41.2	41.6	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.0	42.1	42.1
GE 20000		50.6	51.1	51.6	51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.1	52.1
GE 18000		50.9	51.4	51.9	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4	52.4
GE 16000		50.9	51.4	51.9	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4	52.4
GE 14000		51.3	51.9	52.3	52.4	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.9	52.9
GE 12000		51.9	52.4	52.9	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.4	53.4
GE 10000		56.1	56.8	57.9	58.2	58.2	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.8	58.9	58.9
GE 9000		56.7	57.3	58.6	58.9	58.9	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.6	59.7	59.7
GE 8000		61.3	62.7	64.1	64.6	64.6	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.2	65.3	65.3
GE 7000		63.0	64.3	65.8	66.2	66.2	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.9	67.0	67.0
GE 6000		63.0	64.3	65.9	66.3	66.3	66.8	66.8	66.9	66.9	66.9	66.9	66.9	67.0	67.1	67.1
GE 5000		68.9	70.2	71.9	72.3	72.3	72.8	72.8	72.9	72.9	72.9	72.9	72.9	73.0	73.1	73.1
GE 4500		74.8	76.3	78.1	78.6	78.6	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.2	79.3	79.3
GE 4000		78.9	80.7	82.9	83.4	83.4	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.1	84.2	84.2
GE 3500		82.4	84.6	86.9	87.7	87.7	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.6	88.7	88.7
GE 3000		85.9	88.2	91.3	92.1	92.1	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.1	93.2	93.2
GE 2500		87.2	89.6	93.7	94.4	94.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.7	95.8	95.8
GE 2000		88.0	90.4	94.6	95.8	95.8	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.3	97.4	97.4
GE 1800		88.1	90.6	95.0	96.0	96.0	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.6	97.7	97.7
GE 1500		88.6	91.2	95.8	97.2	97.2	98.7	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.1	99.1
GE 1200		88.9	91.6	96.2	97.7	97.7	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.6	99.7	99.7
GE 1000		89.0	91.7	96.4	97.9	97.9	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.9	99.9
GE 900		89.0	91.7	96.4	97.9	97.9	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.9	99.9
GE 800		89.0	91.7	96.4	97.9	97.9	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0
GE 700		89.0	91.7	96.4	97.9	97.9	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0
GE 600		89.0	91.7	96.4	97.9	97.9	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0
GE 500		89.0	91.7	96.4	97.9	97.9	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0
GE 400		89.0	91.7	96.4	97.9	97.9	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0
GE 300		89.0	91.7	96.4	97.9	97.9	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0
GE 200		89.0	91.7	96.4	97.9	97.9	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0
GE 100		89.0	91.7	96.4	97.9	97.9	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0
GE 0		89.0	91.7	96.4	97.9	97.9	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JUN HOURS(LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	90	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		36.7	38.4	40.3	40.9	40.9	41.4	41.7	41.8	42.0	42.1	42.1	42.3	42.4	42.7	42.8	
GE 20000		42.3	44.2	46.3	46.9	46.9	47.4	47.7	47.8	48.2	48.2	48.3	48.5	48.6	48.9	49.0	
GE 18000		42.6	44.5	46.6	47.3	47.3	47.8	48.0	48.2	48.5	48.6	48.6	48.8	49.0	49.3	49.4	
GE 16000		42.6	44.5	46.6	47.3	47.3	47.8	48.1	48.2	48.6	48.6	48.6	48.8	49.0	49.3	49.4	
GE 14000		42.9	44.8	46.9	47.5	47.5	48.1	48.3	48.5	48.8	48.9	48.9	49.1	49.3	49.6	49.7	
GE 12000		43.3	45.3	47.4	48.0	48.0	48.6	48.8	49.0	49.3	49.4	49.4	49.6	49.8	50.0	50.2	
GE 10000		46.7	48.8	51.0	51.6	51.7	52.2	52.5	52.7	53.0	53.1	53.1	53.3	53.5	53.8	53.9	
GE 9000		47.3	49.4	51.8	52.5	52.5	53.1	53.4	53.6	53.9	54.0	54.0	54.2	54.4	54.8	54.9	
GE 8000		51.7	53.9	56.6	57.5	57.5	58.2	58.4	58.6	59.0	59.1	59.1	59.3	59.5	59.8	60.0	
GE 7000		52.8	55.1	57.9	58.8	58.8	59.5	59.8	60.0	60.4	60.5	60.5	60.7	60.9	61.2	61.4	
GE 6000		53.1	55.4	58.2	59.1	59.1	59.8	60.0	60.3	60.7	60.8	60.8	61.0	61.2	61.5	61.7	
GE 5000		57.0	59.5	62.5	63.4	63.4	64.1	64.3	64.6	65.0	65.1	65.1	65.4	65.6	65.9	66.1	
GE 4500		60.7	63.4	66.7	67.6	67.7	68.4	68.7	68.9	69.4	69.4	69.5	69.7	69.9	70.3	70.5	
GE 4000		66.2	69.0	72.6	73.7	73.7	74.5	74.8	75.0	75.5	75.6	75.6	75.9	76.1	76.5	76.6	
GE 3500		71.2	74.3	78.2	79.4	79.5	80.3	80.7	80.9	81.5	81.5	81.5	81.8	82.0	82.4	82.6	
GE 3000		76.6	80.0	84.4	85.7	85.8	86.8	87.2	87.5	88.1	88.2	88.2	88.5	88.7	89.1	89.3	
GE 2500		77.9	81.5	86.2	87.5	87.7	88.8	89.2	89.4	90.2	90.2	90.3	90.6	90.8	91.2	91.4	
GE 2000		79.6	83.3	88.2	89.7	89.8	91.1	91.5	91.8	92.6	92.7	92.7	93.0	93.2	93.6	93.8	
GE 1800		80.1	83.8	88.7	90.2	90.4	91.7	92.1	92.4	93.2	93.3	93.3	93.6	93.8	94.2	94.4	
GE 1500		81.4	85.2	90.6	92.4	92.6	94.1	94.5	94.8	95.8	95.8	95.9	96.2	96.4	96.8	97.0	
GE 1200		81.8	85.7	91.4	93.2	93.4	94.9	95.3	95.7	96.6	96.7	96.7	97.0	97.2	97.6	97.8	
GE 1000		82.1	86.0	91.8	93.8	94.0	95.5	96.0	96.4	97.4	97.4	97.5	97.8	98.0	98.4	98.7	
GE 900		82.2	86.2	92.0	94.0	94.3	95.8	96.3	96.7	97.6	97.7	97.8	98.1	98.3	98.7	98.9	
GE 800		82.2	86.2	92.1	94.2	94.5	96.0	96.6	97.0	97.9	98.0	98.1	98.3	98.6	99.0	99.2	
GE 700		82.3	86.3	92.2	94.3	94.6	96.1	96.7	97.1	98.0	98.1	98.2	98.5	98.7	99.1	99.3	
GE 600		82.3	86.3	92.2	94.3	94.6	96.2	96.7	97.2	98.1	98.2	98.3	98.5	98.8	99.2	99.4	
GE 500		82.3	86.3	92.2	94.3	94.6	96.2	96.8	97.2	98.1	98.2	98.3	98.6	98.8	99.2	99.5	
GE 400		82.3	86.3	92.2	94.3	94.6	96.2	96.8	97.2	98.2	98.3	98.3	98.6	98.9	99.3	99.5	
GE 300		82.3	86.3	92.2	94.3	94.6	96.2	96.8	97.3	98.2	98.3	98.4	98.7	98.9	99.4	99.6	
GE 200		82.3	86.3	92.2	94.3	94.6	96.2	96.8	97.3	98.2	98.3	98.4	98.7	99.0	99.4	99.7	
GE 100		82.3	86.3	92.2	94.3	94.6	96.2	96.8	97.3	98.2	98.3	98.4	98.7	99.0	99.4	100.0	
GE 01		82.3	86.3	92.2	94.3	94.6	96.2	96.8	97.3	98.2	98.3	98.4	98.7	99.0	99.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: JUL HOURS(IST): 0000-0200

CEILING	VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 70	GE 60	GE 50	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		55.3	56.6	57.9	58.0	58.2	58.7	58.8	58.8	59.0	59.2	59.2	59.2	59.3	59.3	59.4
GE 20000		57.8	59.3	60.6	60.9	61.1	61.6	61.8	61.8	62.0	62.3	62.3	62.3	62.6	62.6	62.8
GE 18000		57.9	59.4	60.7	61.0	61.2	61.7	61.9	61.9	62.1	62.4	62.4	62.4	62.8	62.8	62.9
GE 16000		57.9	59.4	60.7	61.0	61.2	61.7	61.9	61.9	62.1	62.4	62.4	62.4	62.8	62.8	62.9
GE 14000		58.0	59.5	60.8	61.1	61.4	61.8	62.0	62.0	62.2	62.5	62.5	62.5	62.9	62.9	63.1
GE 12000		58.4	60.0	61.2	61.7	61.9	62.3	62.5	62.5	62.8	63.1	63.1	63.1	63.4	63.4	63.5
GE 10000		59.7	61.2	62.6	63.1	63.3	63.7	63.9	63.9	64.2	64.5	64.5	64.5	64.8	64.8	64.9
GE 9000		60.2	61.7	63.1	63.5	63.7	64.2	64.4	64.4	64.6	64.9	64.9	64.9	65.2	65.2	65.3
GE 8000		65.3	67.1	69.2	69.6	69.9	70.3	70.6	70.6	70.8	71.2	71.2	71.2	71.5	71.5	71.6
GE 7000		66.0	67.8	70.0	70.4	70.6	71.3	71.6	71.6	71.8	72.1	72.1	72.1	72.4	72.4	72.6
GE 6000		66.3	68.1	70.3	70.7	70.9	71.6	71.9	71.9	72.1	72.4	72.4	72.4	72.8	72.8	72.9
GE 5000		70.2	72.0	74.2	74.6	74.8	75.5	75.8	75.8	76.1	76.4	76.4	76.4	76.7	76.7	76.9
GE 4500		74.4	76.5	78.8	79.3	79.5	80.2	80.5	80.5	80.8	81.2	81.2	81.2	81.5	81.5	81.6
GE 4000		78.3	80.7	83.0	83.6	83.9	84.5	84.8	84.8	85.1	85.5	85.5	85.5	85.8	85.8	85.9
GE 3500		80.1	83.0	85.3	85.9	86.1	87.0	87.3	87.3	87.6	87.9	87.9	87.9	88.3	88.3	88.4
GE 3000		82.3	85.5	87.9	88.8	89.1	90.4	91.1	91.1	91.5	91.8	91.8	91.8	92.1	92.1	92.2
GE 2500		83.2	86.3	88.9	89.8	90.1	91.4	92.0	92.0	92.5	92.8	92.8	92.8	93.1	93.1	93.2
GE 2000		84.2	87.4	90.3	91.3	91.6	92.9	93.5	93.5	94.0	94.3	94.3	94.3	94.6	94.6	94.7
GE 1800		84.8	88.1	91.0	91.9	92.2	93.5	94.2	94.2	94.6	94.9	94.9	94.9	95.3	95.3	95.4
GE 1500		86.0	89.2	92.4	93.3	93.6	94.9	95.6	95.6	96.0	96.3	96.3	96.3	96.7	96.7	96.8
GE 1200		86.8	90.1	93.2	94.3	94.6	96.1	96.8	96.8	97.2	97.5	97.5	97.5	97.8	97.8	98.0
GE 1000		87.2	90.5	94.0	95.0	95.4	96.9	97.5	97.6	98.2	98.5	98.5	98.5	98.8	98.8	98.9
GE 900		97.3	93.6	94.1	95.4	95.8	97.3	98.0	98.1	98.6	98.9	98.9	98.9	99.2	99.2	99.4
GE 800		87.6	91.0	94.4	95.7	96.1	97.6	98.3	98.4	98.9	99.2	99.2	99.2	99.6	99.6	99.7
GE 700		87.6	91.0	94.5	95.8	96.2	97.7	98.4	98.5	99.0	99.4	99.4	99.4	99.7	99.7	99.8
GE 600		87.6	91.0	94.5	95.8	96.2	97.7	98.4	98.5	99.0	99.4	99.4	99.4	99.7	99.7	99.8
GE 500		87.7	91.1	94.6	95.9	96.3	97.8	98.5	98.6	99.1	99.5	99.5	99.5	99.8	99.8	99.9
GE 400		87.7	91.1	94.6	95.9	96.3	97.8	98.5	98.6	99.1	99.5	99.5	99.5	99.8	99.8	99.9
GE 300		87.7	91.1	94.6	95.9	96.3	97.8	98.5	98.6	99.1	99.5	99.5	99.5	99.8	99.8	99.9
GE 200		87.7	91.1	94.6	95.9	96.3	97.8	98.5	98.6	99.1	99.5	99.5	99.5	99.8	99.8	99.9
GE 100		87.7	91.1	94.6	95.9	96.3	97.8	98.5	98.6	99.1	99.5	99.5	99.5	99.8	99.9	100.0
GE 0		87.7	91.1	94.6	95.9	96.3	97.8	98.5	98.6	99.1	99.5	99.5	99.5	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 9.9

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JUL HOURS(IST): 0100-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GF 60	GE 48	GE 40	GE 32	GF 24	GE 20	GE 16	GE 12	GF 10	GE 8	GE 6	GE 4	GE 3
NO CEIL		44.2	48.7	52.3	53.3	53.4	54.1	54.2	54.6	55.3	55.6	55.7	55.8	56.1	56.7	56.8
GE 20000		46.1	50.6	54.2	55.3	55.4	56.0	56.3	56.8	57.4	57.7	57.8	58.0	58.3	58.8	58.9
GE 18000		46.3	50.9	54.4	55.5	55.6	56.2	56.6	57.0	57.6	58.0	58.1	58.2	58.5	59.0	59.1
GE 16000		46.3	50.9	54.4	55.5	55.6	56.2	56.6	57.0	57.6	58.0	58.1	58.2	58.5	59.0	59.1
GE 14000		46.9	51.6	55.2	56.2	56.3	57.0	57.3	57.7	58.4	59.7	58.8	58.9	59.2	59.8	59.9
GE 12000		47.0	51.7	55.3	56.3	56.5	57.1	57.4	57.8	58.5	58.8	58.9	59.0	59.4	59.9	60.0
GE 10000		48.6	53.4	57.0	58.1	58.2	58.9	59.4	59.8	60.4	67.8	60.9	61.1	61.4	61.9	62.0
GE 9000		48.9	53.6	57.3	58.4	58.5	59.2	59.7	60.1	60.8	61.1	61.2	61.4	61.7	62.3	62.4
GE 8000		52.4	57.2	61.0	62.2	62.3	63.1	63.8	64.2	64.8	65.2	65.3	65.5	65.8	66.3	66.6
GE 7000		52.9	58.0	61.7	62.9	63.0	63.9	64.5	64.9	65.7	66.7	66.1	66.3	66.7	67.2	67.4
GF 6000		53.1	58.3	62.0	63.2	63.3	64.2	64.8	65.3	66.0	66.3	66.5	66.7	67.0	67.5	67.7
GE 5000		56.3	61.7	65.6	66.8	66.9	67.7	69.4	68.8	69.6	69.9	70.0	70.2	70.5	71.1	71.3
GE 4500		62.0	67.8	72.0	73.2	73.3	74.3	74.9	75.4	76.1	76.5	76.6	76.8	77.1	77.6	77.8
GE 4000		65.7	71.5	75.8	77.1	77.2	78.2	78.8	79.2	80.0	80.3	80.4	80.6	81.0	81.5	81.7
GE 3500		68.2	74.1	78.4	79.7	79.8	80.9	81.5	81.9	82.7	83.0	83.1	83.3	83.7	84.2	84.4
GE 3000		71.2	77.5	82.3	84.1	84.2	86.0	86.7	87.1	87.8	88.2	88.3	88.5	88.8	89.4	89.6
GE 2500		72.7	79.0	83.8	85.6	85.7	87.5	88.2	88.6	89.4	89.7	89.8	90.0	90.3	90.9	91.1
GE 2000		73.3	79.7	84.4	86.2	86.3	88.2	88.8	89.2	90.0	90.3	90.4	90.6	91.0	91.5	91.7
GE 1800		73.5	79.9	84.6	86.5	86.6	88.4	89.0	89.5	90.2	90.5	90.6	90.9	91.2	91.7	91.9
GE 1500		75.4	81.9	86.8	88.6	88.7	90.5	91.2	91.6	92.4	92.7	92.9	93.1	93.4	94.0	94.2
GE 1200		76.9	83.7	88.6	90.4	90.5	92.4	93.0	93.4	94.2	94.5	94.7	94.9	95.3	95.8	96.0
GE 1000		76.9	83.7	88.6	90.5	90.6	92.6	93.2	93.8	94.8	95.2	95.4	95.6	95.9	96.5	96.7
GE 900		77.2	84.1	89.0	91.0	91.1	93.0	93.8	94.3	95.4	95.7	95.9	96.1	96.5	97.0	97.3
GE 800		77.5	84.4	89.4	91.3	91.4	93.4	94.2	94.7	95.8	96.1	96.3	96.6	96.9	97.4	97.7
GE 700		77.8	84.7	89.7	91.8	91.9	94.1	94.8	95.4	96.5	96.8	97.0	97.3	97.6	98.2	98.5
GE 600		77.8	84.7	89.7	91.8	91.9	94.1	94.8	95.4	96.5	96.8	97.0	97.3	97.6	98.2	98.5
GE 500		77.6	84.7	89.7	91.8	91.9	94.1	94.8	95.4	96.5	96.8	97.0	97.3	97.6	98.2	98.5
GE 400		77.8	84.7	89.7	91.8	91.9	94.4	95.2	95.7	96.8	97.1	97.3	97.6	98.0	98.5	98.8
GE 300		77.8	84.7	89.7	91.8	91.9	94.4	95.2	95.7	96.8	97.1	97.3	97.6	98.0	98.5	99.0
GF 200		77.8	84.7	89.7	91.8	91.9	94.4	95.2	95.7	96.8	97.1	97.3	97.6	98.0	98.7	99.2
GE 100		78.0	84.8	89.8	91.9	92.0	94.5	95.3	95.8	96.9	97.3	97.5	97.8	98.2	99.0	99.7
GE 0		78.0	84.8	89.8	91.9	92.0	94.5	95.3	95.8	96.9	97.3	97.5	97.8	98.2	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JUL HOURS(IST): 0600-0800

CEILING	VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		25.1	29.0	36.7	39.7	40.3	41.6	42.0	42.2	43.8	43.9	43.9	44.2	44.4	45.2	45.5
GE 20000		26.7	31.0	39.7	42.9	43.5	45.1	45.5	45.6	47.2	47.3	47.3	47.6	47.8	48.6	48.9
GE 18000		27.0	31.4	40.3	43.5	44.2	45.7	46.1	46.2	47.8	48.0	48.0	48.3	48.5	49.2	49.6
GE 16000		27.0	31.4	40.3	43.5	44.2	45.7	46.1	46.2	47.8	48.0	48.0	48.3	48.5	49.2	49.6
GE 14000		27.3	31.7	40.6	43.9	44.5	46.0	46.5	46.6	48.2	48.3	48.3	48.6	48.8	49.6	49.9
GE 12000		27.4	31.8	40.9	44.1	44.7	46.2	46.7	46.8	48.4	48.5	48.5	48.8	49.0	49.8	50.1
GE 10000		30.3	34.9	44.5	48.0	48.6	50.1	50.5	50.6	52.4	52.5	52.5	52.9	53.2	54.0	54.3
GE 9000		31.7	36.3	46.0	49.5	50.1	51.7	52.2	52.3	54.0	54.1	54.1	54.5	54.8	55.6	55.9
GE 8000		34.8	40.0	50.2	53.7	54.3	56.2	56.9	57.0	59.0	59.1	59.1	59.6	60.0	60.8	61.1
GE 7000		35.7	41.1	51.8	55.3	55.9	57.8	58.5	58.6	60.6	60.8	60.8	61.2	61.6	62.4	62.7
GE 6000		36.0	41.5	52.3	55.7	56.3	58.3	58.9	59.0	61.1	61.2	61.2	61.6	62.0	62.8	63.1
GE 5000		39.2	45.1	56.1	60.0	60.6	62.6	63.2	63.4	65.5	65.6	65.6	66.0	66.5	67.2	67.5
GE 4500		43.7	49.8	61.5	65.4	66.1	68.5	69.1	69.4	71.4	71.5	71.5	71.9	72.4	73.1	73.4
GE 4000		46.6	53.3	65.5	69.7	70.4	72.9	73.5	74.0	76.0	76.1	76.1	76.6	77.3	78.1	78.4
GE 3500		49.9	57.1	69.6	74.3	75.1	77.6	78.3	78.8	81.1	81.2	81.2	81.6	82.4	83.1	83.4
GE 3000		52.5	59.9	72.5	77.4	78.2	81.4	82.0	82.6	84.8	85.3	85.3	85.7	86.5	87.2	87.5
GE 2500		53.3	60.8	73.3	78.3	79.0	82.3	83.0	83.5	85.9	86.3	86.3	86.8	87.5	88.3	88.6
GE 2000		54.1	61.5	74.2	79.1	80.0	83.2	84.0	84.5	87.0	87.4	87.4	87.8	88.6	89.4	89.7
GE 1800		54.3	61.7	74.4	79.4	80.2	83.4	84.2	84.7	87.2	87.6	87.6	88.1	88.8	89.6	89.9
GE 1500		56.2	63.9	76.9	82.2	83.1	86.7	87.6	88.3	90.9	91.3	91.3	91.7	92.5	93.2	93.5
GE 1200		57.2	65.1	78.2	83.7	84.6	88.1	89.2	89.9	92.5	92.9	92.9	93.3	94.1	94.8	95.2
GE 1000		57.4	65.3	78.8	84.5	85.5	89.1	90.1	90.8	93.5	94.1	94.1	94.5	95.3	96.0	96.3
GE 900		57.5	65.4	78.9	84.6	85.8	89.5	90.5	91.2	94.0	94.5	94.5	94.9	95.7	96.5	96.8
GE 800		57.6	65.7	79.2	84.9	86.1	89.8	90.9	91.5	94.3	94.8	94.8	95.3	96.0	96.8	97.1
GE 700		57.6	65.8	79.4	85.1	86.5	90.1	91.3	91.9	94.7	95.3	95.3	95.7	96.5	97.2	97.5
GE 600		57.6	65.8	79.4	85.1	86.5	90.1	91.3	91.9	94.7	95.3	95.3	95.7	96.5	97.2	97.5
GE 500		57.6	65.8	79.5	85.2	86.6	90.4	91.6	92.3	95.2	95.7	95.7	96.1	96.9	97.6	98.0
GE 400		57.6	65.8	79.5	85.2	86.6	90.4	91.6	92.3	95.3	95.8	95.8	96.2	97.0	97.7	98.1
GE 300		57.6	65.8	79.5	85.2	86.6	90.4	91.6	92.3	95.3	95.9	95.9	96.3	97.1	98.1	98.7
GE 200		57.6	65.8	79.5	85.2	86.6	90.4	91.6	92.3	95.4	96.0	96.0	96.5	97.2	98.5	99.5
GE 100		57.6	65.8	79.5	85.2	86.6	90.4	91.6	92.3	95.4	96.0	96.0	96.6	97.3	98.6	99.8
GE 0		57.6	65.8	79.5	85.2	86.6	90.4	91.6	92.3	95.4	96.0	96.0	96.6	97.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: JUL HOURS(LST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		36.2	38.3	41.3	42.4	42.7	42.7	43.0	43.0	43.2	43.3	43.3	43.3	43.3	43.3	43.3	
GE 20000		39.7	42.2	46.1	47.3	47.6	47.6	48.0	48.0	48.2	48.3	48.3	48.3	48.3	48.3	48.3	
GE 18000		40.1	42.6	46.6	47.7	48.1	48.1	48.4	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	
GE 16000		40.2	42.7	46.7	47.8	48.2	48.2	48.5	48.5	48.7	48.8	48.8	48.8	48.8	48.8	48.8	
GE 14000		40.5	43.0	47.0	48.2	48.5	48.5	48.8	48.8	49.0	49.1	49.1	49.1	49.1	49.1	49.1	
GE 12000		41.0	43.4	47.4	48.6	48.9	48.9	49.2	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.6	
GE 10000		44.2	46.8	51.0	52.6	53.1	53.2	53.7	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	
GE 9000		45.7	48.3	52.6	54.3	54.8	55.1	55.5	55.5	55.7	55.9	55.9	55.9	55.9	55.9	55.9	
GE 8000		49.7	52.4	57.4	59.2	59.9	60.3	60.8	61.1	61.3	61.5	61.5	61.5	61.5	61.5	61.5	
GE 7000		50.9	53.5	58.8	60.6	61.3	61.8	62.3	62.6	62.8	63.0	63.0	63.0	63.0	63.0	63.0	
GE 6000		51.5	54.2	59.5	61.4	62.0	62.6	63.1	63.4	63.7	63.9	63.9	63.9	63.9	63.9	63.9	
GE 5000		54.2	57.0	62.6	64.5	65.2	65.7	66.2	66.6	66.8	67.0	67.0	67.0	67.0	67.0	67.0	
GE 4500		56.2	59.2	65.2	67.2	67.8	68.5	69.0	69.4	69.6	69.8	69.8	69.8	69.8	69.8	69.8	
GE 4000		59.8	62.9	69.5	71.5	72.3	72.9	73.4	73.8	74.3	74.5	74.5	74.5	74.5	74.5	74.5	
GE 3500		63.5	67.4	74.7	76.9	77.6	78.3	78.9	79.4	79.9	80.1	80.1	80.1	80.1	80.1	80.1	
GE 3000		69.5	74.0	81.5	84.1	84.8	85.7	86.5	86.9	87.4	87.6	87.6	87.6	87.6	87.6	87.6	
GE 2500		71.1	75.7	83.4	86.1	86.9	87.7	88.5	88.9	89.5	89.7	89.7	89.7	89.7	89.7	89.7	
GE 2000		72.8	77.4	85.6	88.6	89.4	90.2	91.0	91.4	91.9	92.2	92.2	92.2	92.2	92.2	92.2	
GE 1800		72.8	77.4	85.6	88.6	89.4	90.2	91.0	91.4	91.9	92.2	92.2	92.2	92.2	92.2	92.2	
GE 1600		74.4	79.6	88.1	91.2	92.0	93.1	94.0	94.5	95.1	95.3	95.3	95.3	95.3	95.3	95.3	
GE 1400		74.9	80.2	89.1	92.4	93.2	94.3	95.2	95.8	96.3	96.6	96.6	96.6	96.6	96.6	96.6	
GE 1200		75.6	81.3	90.6	94.0	94.8	95.9	96.8	97.4	98.0	98.2	98.2	98.2	98.2	98.2	98.2	
GE 1000		75.6	81.4	90.8	94.2	95.1	96.1	97.0	97.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	
GE 900		75.6	81.4	90.8	94.2	95.1	96.1	97.0	97.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	
GE 800		75.7	81.5	90.9	94.5	95.5	96.6	97.4	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	
GE 700		75.7	81.5	91.0	94.6	95.8	97.0	97.8	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2	
GE 600		75.7	81.5	91.0	94.6	95.8	97.0	97.8	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2	
GE 500		75.7	81.5	91.0	94.7	95.9	97.1	98.0	98.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	
GE 400		75.7	81.5	91.0	94.7	95.9	97.1	98.0	98.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	
GE 300		75.7	81.5	91.0	94.7	95.9	97.1	98.1	98.7	99.4	99.6	99.6	99.6	99.6	99.7	99.8	
GE 200		75.7	81.5	91.0	94.7	95.9	97.1	98.1	98.7	99.4	99.7	99.7	99.7	99.7	99.8	99.9	
GE 100		75.7	81.5	91.0	94.7	95.9	97.1	98.1	98.7	99.4	99.7	99.7	99.7	99.7	99.8	99.9	
GE 0		75.7	81.5	91.0	94.8	96.0	97.2	98.2	98.8	99.5	99.8	99.8	99.8	99.8	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JUL HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		35.4	35.9	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 20000		42.2	42.8	43.3	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 18000		42.7	43.3	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 16000		42.8	43.4	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 14000		43.2	43.9	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 12000		44.4	45.1	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 10000		47.5	48.2	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 9000		48.2	48.8	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 8000		52.9	53.5	54.4	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 7000		55.3	55.9	56.8	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 6000		56.5	57.1	58.0	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 5000		61.1	61.7	62.6	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 4500		64.9	65.6	66.7	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 4000		70.4	71.1	72.5	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 3500		76.3	77.2	78.8	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 3000		84.1	85.2	87.6	89.2	89.2	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 2500		86.0	87.1	89.8	91.4	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 2000		88.7	90.1	93.0	94.7	94.7	94.8	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1800		88.8	90.2	93.1	94.8	94.8	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1500		89.9	91.9	94.9	96.7	96.7	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1200		90.8	93.0	96.2	98.1	98.1	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000		91.1	93.3	96.8	98.8	98.9	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900		91.1	93.3	96.9	99.0	99.1	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800		91.1	93.3	97.0	99.1	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700		91.1	93.3	97.0	99.1	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600		91.1	93.3	97.0	99.1	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500		91.1	93.3	97.0	99.1	99.2	99.4	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		91.1	93.3	97.0	99.1	99.2	99.4	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		91.1	93.3	97.0	99.1	99.2	99.4	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		91.1	93.3	97.0	99.1	99.2	99.4	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		91.1	93.3	97.0	99.1	99.2	99.4	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		91.1	93.3	97.0	99.1	99.2	99.4	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 74-83
MONTH: JUL HOURS(LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS																
IN FEET		GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3	
NO CEIL			36.5	36.6	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	
GE 20000			45.6	45.7	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	
GE 18000			46.0	46.1	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	
GE 16000			46.2	46.3	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	
GE 14000			46.3	46.5	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	
GE 12000			47.3	47.4	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	
GE 10000			50.9	51.0	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	
GE 9000			52.6	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	
GE 8000			56.8	57.0	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	
GE 7000			58.7	58.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
GE 6000			60.3	60.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	
GE 5000			65.6	65.6	67.0	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	
GE 4500			69.7	70.0	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	
GE 4000			76.5	76.8	78.3	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	
GE 3500			82.0	82.4	84.1	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	
GE 3000			89.8	90.1	92.3	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	
GE 2500			91.8	92.2	94.3	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	
GE 2000			94.1	94.5	96.7	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
GE 1800			94.3	94.7	96.9	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
GE 1500			94.9	95.4	97.6	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE 1200			95.3	95.7	98.0	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 1000			95.5	95.9	98.5	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 900			95.5	95.9	98.6	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 800			95.5	95.9	98.6	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 700			95.5	95.9	98.7	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 600			95.5	95.9	98.7	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 500			95.5	95.9	98.7	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 400			95.5	95.9	98.7	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 300			95.5	95.9	98.7	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 200			95.5	95.9	98.7	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 100			95.5	95.9	98.7	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE	0		95.6	96.0	98.8	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
TOTAL NUMBER OF OBSERVATIONS:			930															

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JUL HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GF 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		42.9	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 20000		51.5	51.5	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 18000		52.5	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 16000		52.7	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 14000		52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 12000		53.2	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 10000		58.0	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 9000		60.1	60.1	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 8000		65.7	65.7	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 7000		67.4	67.4	68.7	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 6000		68.6	68.6	69.9	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 5000		73.8	73.8	75.1	75.4	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 4500		78.3	78.5	79.8	80.1	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 4000		83.2	83.4	85.1	85.4	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 3500		88.6	88.8	90.5	90.9	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 3000		92.2	92.4	94.2	94.6	94.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2500		93.7	93.9	95.8	96.2	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000		94.5	94.7	96.8	97.2	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800		94.6	94.8	96.9	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500		95.4	95.6	97.7	98.3	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200		95.5	95.8	98.1	98.6	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000		95.5	95.8	98.4	98.9	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900		95.5	95.8	98.4	98.9	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800		95.5	95.8	98.4	99.0	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700		95.6	95.9	98.6	99.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		95.6	95.9	98.6	99.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		95.6	95.9	98.6	99.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		95.6	95.9	98.6	99.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		95.6	95.9	98.6	99.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		95.6	95.9	98.6	99.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		95.6	95.9	98.6	99.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		95.6	95.9	98.6	99.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JUL HOURS(LST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		51.7	52.4	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.1
GE 20000		57.4	58.2	58.7	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.2
GE 18000		58.0	58.7	59.2	59.2	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.8
GE 16000		58.1	58.8	59.4	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.9
GE 14000		58.3	59.0	59.6	59.6	59.8	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.1
GE 12000		58.7	59.6	60.1	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.6
GE 10000		61.7	62.7	63.3	63.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	64.0
GE 9000		62.8	63.8	64.5	64.7	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.3
GE 8000		66.9	68.1	69.4	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.1
GE 7000		68.1	69.2	70.8	71.3	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.9
GE 6000		69.2	70.4	71.9	72.5	72.7	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.1
GE 5000		74.7	75.9	77.5	78.1	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.2
GE 4500		78.5	79.8	81.5	82.2	82.4	82.8	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.3
GE 4000		83.8	85.3	87.2	87.8	88.1	88.5	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	89.0
GE 3500		85.3	87.0	89.0	89.9	90.1	90.6	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.2
GE 3000		87.7	89.8	92.2	93.2	93.4	94.2	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.7
GE 2500		88.7	90.8	93.2	94.3	94.5	95.4	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.9
GE 2000		89.2	91.4	94.0	95.1	95.3	96.1	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.7
GE 1800		89.7	91.8	94.5	95.7	95.9	96.8	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.3
GE 1500		90.5	92.8	95.7	96.9	97.1	98.0	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.5
GE 1200		90.6	92.9	95.9	97.1	97.3	98.3	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.8
GE 1000		90.9	93.2	96.2	97.5	97.7	99.1	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
GE 900		91.0	93.3	96.3	97.6	97.8	99.2	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8
GE 800		91.1	93.4	96.5	97.7	98.0	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9
GE 700		91.1	93.4	96.6	97.8	98.1	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 600		91.1	93.4	96.6	97.8	98.1	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 500		91.1	93.4	96.6	97.8	98.1	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 400		91.1	93.4	96.6	97.8	98.1	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 300		91.1	93.4	96.6	97.8	98.1	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 200		91.1	93.4	96.6	97.8	98.1	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 100		91.1	93.4	96.6	97.8	98.1	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 0		91.1	93.4	96.6	97.8	98.1	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: JUL HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		40.9	42.5	44.7	45.3	45.5	45.8	45.9	46.0	46.4	46.4	46.5	46.5	46.6	46.8
GE 20000		45.9	47.7	50.1	50.9	51.1	51.4	51.6	51.6	52.0	52.1	52.1	52.1	52.3	52.4
GE 18000		46.3	48.1	50.6	51.4	51.5	51.9	52.0	52.1	52.4	52.5	52.6	52.6	52.7	52.9
GE 16000		46.4	48.2	50.7	51.4	51.6	52.0	52.1	52.2	52.5	52.6	52.7	52.7	52.8	53.0
GE 14000		46.7	48.5	51.0	51.7	51.9	52.3	52.4	52.5	52.8	52.9	53.0	53.0	53.1	53.3
GE 12000		47.2	49.0	51.5	52.3	52.5	52.9	53.0	53.0	53.4	53.5	53.5	53.6	53.7	53.9
GE 10000		50.1	52.0	54.6	55.5	55.7	56.1	56.3	56.4	56.7	56.8	56.8	56.9	57.1	57.2
GE 9000		51.3	53.2	55.9	56.8	57.0	57.4	57.6	57.6	58.0	58.1	58.2	58.3	58.5	58.6
GE 8000		55.6	57.6	60.8	61.8	62.0	62.5	62.7	62.8	63.2	63.4	63.4	63.5	63.6	63.8
GE 7000		56.9	59.0	62.3	63.4	63.6	64.1	64.4	64.5	64.9	65.0	65.1	65.1	65.3	65.4
GE 6000		57.7	59.8	63.2	64.3	64.5	65.0	65.3	65.4	65.8	65.9	66.0	66.0	66.2	66.3
GE 5000		61.9	64.1	67.6	68.7	69.0	69.6	69.9	70.0	70.4	70.5	70.6	70.7	70.8	71.0
GE 4500		66.0	68.4	72.1	73.3	73.5	74.2	74.6	74.7	75.1	75.2	75.2	75.3	75.5	75.7
GE 4000		70.5	73.1	77.1	78.4	78.7	79.4	79.7	79.8	80.3	80.4	80.5	80.5	80.7	80.9
GE 3500		74.2	77.1	81.3	82.8	83.0	83.8	84.1	84.3	84.8	84.9	84.9	85.0	85.2	85.4
GE 3000		78.7	81.8	86.3	88.1	88.3	89.4	89.8	90.0	90.5	90.6	90.7	90.7	90.9	91.1
GE 2500		80.1	83.2	87.8	89.6	89.9	90.9	91.3	91.5	92.0	92.2	92.2	92.3	92.5	92.6
GE 2000		81.4	84.6	89.4	91.2	91.5	92.6	93.0	93.2	93.7	93.9	93.9	94.0	94.2	94.3
GE 1800		81.6	84.8	89.6	91.5	91.8	92.8	93.3	93.5	94.0	94.1	94.2	94.2	94.4	94.6
GE 1500		82.8	86.3	91.3	93.2	93.5	94.6	95.1	95.3	95.9	96.0	96.1	96.1	96.3	96.5
GE 1200		83.5	87.1	92.2	94.2	94.5	95.7	96.1	96.4	96.9	97.1	97.1	97.2	97.4	97.5
GE 1000		83.7	87.4	92.7	94.8	95.2	96.4	96.9	97.2	97.8	98.0	98.0	98.1	98.3	98.4
GE 900		83.8	87.5	92.9	95.0	95.4	96.7	97.2	97.4	98.1	98.2	98.3	98.3	98.5	98.7
GE 800		83.9	87.6	93.0	95.2	95.6	96.9	97.4	97.6	98.3	98.4	98.5	98.5	98.7	98.9
GE 700		84.0	87.7	93.2	95.4	95.8	97.1	97.6	97.9	98.5	98.7	98.7	98.8	99.0	99.2
GE 600		84.0	87.7	93.2	95.4	95.8	97.2	97.7	97.9	98.6	98.7	98.8	98.9	99.0	99.2
GE 500		84.0	87.7	93.2	95.4	95.9	97.2	97.7	98.0	98.7	98.9	98.9	99.0	99.2	99.4
GE 400		84.0	87.7	93.2	95.4	95.9	97.3	97.8	98.0	98.8	98.9	99.0	99.1	99.2	99.4
GE 300		84.0	87.7	93.2	95.4	95.9	97.3	97.8	98.1	98.8	99.0	99.0	99.1	99.3	99.5
GE 200		84.0	87.7	93.2	95.4	95.9	97.3	97.8	98.1	98.8	99.0	99.0	99.1	99.3	99.6
GE 100		84.0	87.7	93.2	95.4	95.9	97.3	97.8	98.1	98.8	99.0	99.1	99.2	99.3	99.6
GE 0		84.0	87.7	93.2	95.5	95.9	97.3	97.8	98.1	98.8	99.0	99.1	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: AUG HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		53.7	56.0	59.5	60.3	60.8	61.4	61.4	61.5	61.8	62.0	62.0	62.2	63.0	63.4
GE 20000		56.8	59.8	63.5	64.6	65.1	65.8	65.8	65.9	66.2	66.5	66.5	66.6	67.5	68.0
GE 18000		57.0	60.0	63.8	64.7	65.3	66.0	66.0	66.1	66.5	66.7	66.7	66.8	67.7	68.2
GE 16000		57.0	60.0	63.8	64.7	65.3	66.0	66.0	66.1	66.5	66.7	66.7	66.8	67.7	68.2
GE 14000		57.2	60.2	64.0	65.1	65.5	66.2	66.2	66.3	66.7	66.9	66.9	67.0	68.0	68.4
GE 12000		58.0	61.0	64.8	65.4	66.3	67.1	67.1	67.2	67.5	67.7	67.7	67.8	68.8	69.2
GE 10000		59.8	62.8	67.0	68.1	68.5	69.4	69.4	69.5	69.8	70.0	70.0	70.1	71.1	71.5
GE 9000		60.6	63.7	67.8	68.9	69.4	70.2	70.2	70.3	70.6	70.9	70.9	71.0	71.9	72.4
GE 8000		64.0	67.3	71.8	72.9	73.3	74.2	74.2	74.3	74.7	74.9	74.9	75.1	76.0	76.5
GE 7000		64.5	67.8	72.4	73.5	74.0	74.8	74.8	74.9	75.4	75.6	75.6	75.7	76.7	77.1
GE 6000		64.9	68.4	72.9	74.1	74.5	75.4	75.4	75.5	75.9	76.1	76.1	76.2	77.2	77.6
GE 5000		67.6	71.1	76.0	77.2	77.6	78.5	78.5	78.6	79.0	79.2	79.2	79.5	80.4	81.1
GE 4500		71.7	75.3	80.5	81.7	82.2	83.0	83.0	83.1	83.5	83.8	83.8	84.0	84.9	85.6
GE 4000		75.2	78.8	84.3	85.5	85.9	86.9	86.9	87.0	87.5	87.7	87.7	88.0	88.9	89.6
GE 3500		76.1	79.8	85.3	86.5	86.9	87.8	87.8	88.0	88.5	88.7	88.7	88.9	89.9	90.5
GE 3000		77.6	81.5	87.5	89.0	89.5	90.8	91.1	91.2	91.7	91.9	91.9	92.2	93.1	93.8
GE 2500		78.1	81.9	88.1	89.6	90.0	91.3	91.6	91.7	92.3	92.5	92.5	92.7	93.7	94.3
GE 2000		78.7	82.7	88.8	90.3	90.8	92.0	92.4	92.5	93.0	93.2	93.2	93.4	94.4	95.1
GE 1800		79.0	83.0	89.1	90.6	91.1	92.4	92.7	92.9	93.4	93.7	93.7	93.9	94.8	95.5
GE 1500		79.8	84.2	90.4	92.3	92.7	94.4	94.7	95.2	95.8	96.0	96.0	96.2	97.2	97.8
GE 1200		79.8	84.3	90.5	92.4	92.8	94.5	94.8	95.3	95.9	96.1	96.1	96.3	97.3	98.0
GE 1000		79.9	84.4	90.6	92.5	92.9	94.6	94.9	95.5	96.2	96.5	96.5	96.7	97.6	98.3
GE 900		79.9	84.4	90.6	92.5	92.9	94.6	94.9	95.5	96.2	96.5	96.5	96.7	97.6	98.3
GE 800		79.9	84.5	90.9	92.7	93.1	94.8	95.2	95.7	96.5	96.7	96.7	96.9	97.8	98.5
GE 700		79.9	84.5	90.9	92.7	93.1	94.8	95.2	95.7	96.5	96.7	96.7	96.9	97.8	98.5
GE 600		79.9	84.5	90.9	92.7	93.1	94.9	95.3	95.8	96.6	96.8	96.8	97.0	98.0	98.6
GE 500		79.9	84.5	90.9	92.7	93.1	94.9	95.3	95.8	96.6	96.8	96.8	97.0	98.0	98.6
GE 400		79.9	84.5	90.9	92.7	93.1	94.9	95.3	95.8	96.6	96.8	96.8	97.0	98.0	98.6
GE 300		79.9	84.5	90.9	92.7	93.1	94.9	95.3	95.8	96.6	96.8	96.8	97.0	98.0	98.6
GE 200		79.9	84.5	90.9	92.7	93.1	94.9	95.3	95.8	96.6	96.8	96.8	97.0	98.0	98.6
GE 100		79.9	84.5	90.9	92.7	93.1	94.9	95.3	95.8	96.6	96.8	96.8	97.0	98.0	98.6
GE 0		79.9	84.5	90.9	92.7	93.1	94.9	95.3	95.8	96.6	96.8	96.8	97.0	98.1	99.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: AUG HOURS(IST): 0300-0500

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE U
NO CEIL		43.9	50.0	56.0	56.9	57.2	58.8	59.6	59.7	61.4	61.4	61.7	61.7	62.8	63.4	64.3
GE 20000		45.4	51.5	57.7	58.6	59.1	60.9	61.6	61.7	63.5	63.5	63.9	63.9	64.9	65.7	66.6
GE 18000		45.4	51.5	57.7	58.6	59.1	60.9	61.6	61.7	63.5	63.5	63.9	63.9	64.9	65.7	66.6
GE 16000		45.4	51.5	57.7	58.6	59.1	60.9	61.6	61.7	63.5	63.5	63.9	63.9	64.9	65.7	66.6
GE 14000		45.5	51.6	57.8	58.7	59.2	61.0	61.7	61.8	63.7	63.7	64.0	64.0	65.1	65.8	66.7
GE 12000		46.3	52.5	58.7	59.6	60.1	61.8	62.6	62.7	64.5	64.5	64.8	64.8	66.0	66.9	67.7
GE 10000		47.8	54.1	60.3	61.2	61.7	63.4	64.3	64.4	66.2	66.2	66.6	66.6	67.8	68.7	69.6
GE 9000		48.3	54.5	60.9	61.7	62.3	64.0	64.8	64.9	66.8	66.8	67.1	67.1	68.4	69.2	70.1
GE 8000		51.2	57.5	64.3	65.2	65.8	67.5	68.4	68.5	70.3	70.3	70.6	70.6	71.9	72.8	73.7
GE 7000		51.5	57.8	64.6	65.5	66.1	67.8	68.7	68.8	70.6	70.6	71.0	71.0	72.3	73.1	74.0
GE 6000		51.6	58.0	64.7	65.6	66.2	68.0	68.8	68.9	70.8	70.8	71.1	71.1	72.4	73.2	74.1
GE 5000		53.2	59.7	66.6	67.4	68.2	69.9	70.8	70.9	72.8	72.8	73.1	73.4	74.7	75.6	76.5
GE 4500		55.7	62.5	69.5	70.3	71.2	73.2	74.1	74.3	76.3	76.3	76.7	77.0	78.3	79.1	80.1
GE 4000		58.4	65.3	72.8	73.8	74.6	76.9	77.8	78.1	80.3	80.3	80.6	81.0	82.4	83.2	84.2
GE 3500		59.6	66.5	74.5	75.5	76.3	78.6	79.6	79.8	82.0	82.0	82.4	82.8	84.2	85.1	86.0
GE 3000		61.5	68.7	77.4	78.4	79.4	82.4	83.9	84.1	86.5	86.5	86.8	87.2	88.6	89.5	90.5
GE 2500		62.2	69.4	78.4	79.5	80.4	83.4	84.9	85.2	87.5	87.5	87.8	88.3	89.7	90.5	91.6
GE 2000		62.9	70.3	79.5	80.9	81.8	84.8	86.3	86.6	89.0	89.0	89.4	89.8	91.2	92.0	93.1
GE 1800		63.3	70.6	80.1	81.5	82.5	85.5	87.0	87.2	89.7	89.7	90.0	90.4	91.8	92.7	93.8
GE 1500		64.1	71.8	81.6	83.3	84.3	87.3	88.8	89.2	91.7	91.7	92.0	92.5	93.9	94.7	95.8
GE 1200		64.4	72.2	82.0	83.8	84.7	88.0	89.5	89.9	92.6	92.6	92.9	93.3	94.7	95.6	96.7
GE 1000		64.7	72.7	82.6	84.3	85.3	88.5	90.0	90.4	93.2	93.2	93.5	94.0	95.4	96.3	97.4
GE 900		64.6	72.9	82.8	84.5	85.5	88.7	90.2	90.6	93.4	93.4	93.8	94.2	95.6	96.6	97.6
GE 800		64.8	72.9	82.8	84.5	85.5	88.7	90.2	90.6	93.4	93.4	93.8	94.2	95.6	96.6	97.6
GE 700		64.9	73.0	82.9	84.6	85.6	88.8	90.3	90.8	93.5	93.5	93.9	94.3	95.7	96.7	97.7
GE 600		64.9	73.0	82.9	84.6	85.6	89.1	90.6	91.1	93.9	93.9	94.2	94.6	96.0	97.0	98.1
GE 500		64.9	73.0	82.9	84.6	85.6	89.1	90.6	91.1	94.0	94.0	94.3	94.7	96.1	97.1	98.2
GE 400		64.9	73.1	83.0	84.7	85.7	89.2	90.8	91.2	94.1	94.1	94.4	94.8	96.2	97.2	98.3
GE 300		64.9	73.1	83.0	84.7	85.7	89.2	90.9	91.3	94.3	94.3	94.6	95.1	96.5	97.4	98.5
GE 200		64.9	73.1	83.0	84.7	85.7	89.2	90.9	91.3	94.3	94.3	94.6	95.1	96.5	97.4	98.7
GE 100		64.9	73.1	83.0	84.7	85.7	89.2	90.9	91.3	94.3	94.3	94.6	95.1	96.5	97.5	99.2
GE 01		64.9	73.1	83.0	84.7	85.7	89.2	90.9	91.3	94.5	94.5	94.8	95.4	96.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: AUG HOURS(LST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		25.6	30.2	37.2	39.7	40.2	43.2	44.9	45.7	47.6	48.2	48.3	48.5	49.7	50.5	51.5
GE 20000		28.0	32.8	40.4	43.0	43.5	46.8	48.5	49.6	51.7	52.4	52.6	52.9	54.2	55.3	56.5
GE 18000		28.0	32.8	40.4	43.0	43.5	46.8	48.5	49.6	51.7	52.4	52.6	52.9	54.2	55.3	56.5
GE 16000		28.0	32.8	40.4	43.0	43.5	46.8	48.5	49.6	51.7	52.4	52.6	52.9	54.2	55.3	56.5
GE 14000		28.0	32.8	40.6	43.2	43.8	47.0	48.7	49.8	51.9	52.6	52.8	53.1	54.4	55.5	56.7
GE 12000		28.7	33.5	41.4	44.1	44.6	48.0	49.7	50.8	52.9	53.5	53.8	54.1	55.4	56.5	57.7
GE 10000		30.0	35.4	43.9	47.6	47.1	50.8	52.5	53.5	55.7	56.5	56.7	57.0	58.3	59.4	60.6
GE 9000		30.2	35.6	44.2	47.1	47.6	51.3	53.0	54.2	56.3	57.1	57.3	57.6	58.9	60.0	61.3
GE 8000		33.0	38.8	48.0	51.2	51.8	55.5	57.2	58.4	60.9	61.6	61.9	62.3	63.7	64.7	66.1
GE 7000		33.4	39.6	48.8	52.0	52.7	56.5	58.2	59.4	62.0	62.8	63.1	63.5	64.9	66.0	67.4
GE 6000		33.4	39.9	49.1	52.4	53.0	56.8	58.5	59.7	62.4	63.1	63.4	63.7	65.3	66.3	67.8
GE 5000		34.9	41.4	51.0	54.6	55.3	59.1	61.2	62.5	65.2	65.9	66.2	66.7	68.1	69.1	70.6
GE 4500		37.1	43.9	53.7	57.4	58.1	62.4	64.5	65.8	68.6	69.4	69.7	70.1	71.5	72.6	74.2
GE 4000		39.8	47.1	57.4	61.7	62.4	66.8	68.7	70.2	73.2	74.0	74.4	74.8	76.2	77.3	78.9
GE 3500		41.8	49.6	59.9	64.3	65.2	69.6	71.8	73.2	76.6	77.3	77.7	78.2	79.6	80.6	82.3
GE 3000		44.2	52.0	62.9	67.3	68.4	73.0	75.6	77.2	81.1	81.8	82.3	82.7	84.1	85.2	87.0
GE 2500		44.8	52.7	63.5	68.0	69.0	73.7	76.2	77.8	81.7	82.5	82.9	83.3	84.7	85.8	87.6
GE 2000		45.4	53.4	64.7	69.4	70.4	75.1	77.8	79.5	83.4	84.2	84.6	85.1	86.5	87.5	89.4
GE 1800		45.9	54.0	65.3	69.9	71.0	75.6	78.4	80.0	84.0	84.7	85.2	85.6	87.0	88.1	89.9
GE 1500		47.5	55.7	67.7	72.5	73.8	78.6	81.5	83.3	87.4	88.2	88.6	89.0	90.4	91.5	93.3
GE 1200		48.0	56.1	68.3	73.1	74.4	79.2	82.3	84.1	88.4	89.1	89.6	90.0	91.4	92.5	94.3
GE 1000		48.1	56.2	68.5	73.5	74.8	79.8	82.8	84.6	89.1	89.9	90.4	91.1	92.5	93.5	95.4
GE 900		48.1	56.2	68.5	73.8	75.1	80.1	83.1	84.9	89.5	90.2	90.8	91.4	92.8	93.9	95.7
GE 800		48.3	56.7	68.9	74.2	75.5	80.5	83.5	85.4	90.0	90.8	91.3	92.0	93.4	94.5	96.3
GE 700		48.4	56.8	69.0	74.6	75.9	81.0	84.0	85.8	90.4	91.2	91.7	92.5	93.9	94.9	96.8
GE 600		48.5	56.9	69.4	74.9	76.2	81.4	84.5	86.5	91.1	91.8	92.4	93.1	94.5	95.6	97.4
GE 500		48.5	56.9	69.4	74.9	76.2	81.5	84.6	86.6	91.2	91.9	92.5	93.2	94.6	95.7	97.5
GE 400		48.5	56.9	69.4	74.9	76.2	81.5	84.6	86.6	91.2	91.9	92.5	93.2	94.6	95.7	97.5
GE 300		48.5	56.9	69.4	74.9	76.2	81.5	84.6	86.6	91.2	91.9	92.6	93.3	94.7	95.8	97.6
GE 200		48.5	56.9	69.4	74.9	76.2	81.5	84.6	86.6	91.2	91.9	92.7	93.4	94.8	95.9	98.1
GE 100		48.5	56.9	69.4	74.9	76.2	81.5	84.6	86.6	91.3	92.0	92.8	93.5	95.2	96.7	99.8
GE 0		48.5	56.9	69.4	74.9	76.2	81.5	84.6	86.6	91.3	92.0	92.8	93.5	95.2	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: AUG HOURS(LST): 0800-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE U
NO CEIL		29.6	33.3	40.5	43.3	43.7	44.6	45.1	45.2	45.6	45.6	45.6	45.7	45.8	46.0	46.0
GE 20000		33.5	37.3	45.4	48.4	49.1	50.1	50.8	50.9	51.3	51.3	51.3	51.4	51.5	51.8	51.8
GE 18000		33.8	37.5	45.6	48.6	49.4	50.3	51.0	51.1	51.5	51.5	51.5	51.6	51.7	52.0	52.0
GE 16000		33.9	37.6	45.7	48.7	49.5	50.4	51.1	51.2	51.6	51.6	51.6	51.7	51.8	52.2	52.2
GE 14000		34.4	38.2	46.6	49.6	50.3	51.3	51.9	52.0	52.5	52.5	52.5	52.6	52.7	53.0	53.0
GE 12000		35.1	38.8	47.4	50.4	51.2	52.2	52.8	52.9	53.3	53.3	53.3	53.4	53.5	53.9	53.9
GE 10000		37.3	41.5	50.3	53.3	54.1	55.1	55.7	55.8	56.3	56.3	56.3	56.5	56.6	57.0	57.0
GE 9000		37.7	41.9	51.0	54.1	54.8	55.3	56.5	56.6	57.1	57.1	57.1	57.2	57.3	57.7	57.7
GE 8000		39.8	44.2	53.7	56.8	57.5	58.5	59.1	59.2	60.0	60.0	60.0	60.1	60.2	60.6	60.6
GE 7000		40.8	45.3	55.1	58.4	59.1	60.1	60.8	60.9	61.6	61.6	61.6	61.7	61.8	62.3	62.3
GE 6000		41.2	45.8	55.6	58.9	59.7	60.6	61.3	61.4	62.2	62.2	62.2	62.3	62.4	62.8	62.8
GE 5000		43.7	48.3	58.3	61.9	62.8	64.2	65.1	65.2	65.9	65.9	65.9	66.0	66.1	66.6	66.6
GE 4500		46.0	51.2	61.2	64.8	65.7	67.2	68.1	68.2	68.9	68.9	68.9	69.0	69.1	69.6	69.6
GE 4000		49.7	55.3	65.8	69.9	70.8	72.4	73.2	73.3	74.2	74.2	74.2	74.3	74.4	74.8	74.8
GE 3500		51.6	57.4	68.3	72.6	73.5	75.6	76.5	76.6	77.5	77.5	77.5	77.6	77.7	78.3	78.3
GE 3000		55.3	61.2	72.4	77.4	78.4	80.9	81.8	82.0	83.2	83.2	83.2	83.4	83.5	84.1	84.2
GE 2500		56.3	62.4	73.7	78.8	79.8	82.3	83.4	83.7	84.8	84.8	84.8	85.1	85.2	85.7	85.8
GE 2000		58.5	64.7	76.2	81.5	82.5	84.9	86.2	86.5	87.8	87.8	87.8	88.1	88.2	88.7	88.8
GE 1800		58.8	65.1	76.6	81.8	82.8	85.3	86.7	86.9	88.3	88.3	88.3	88.5	88.6	89.1	89.2
GE 1500		61.4	67.8	80.3	85.8	86.9	89.6	91.1	91.3	92.7	92.7	92.7	92.9	93.3	93.5	93.7
GE 1200		62.7	69.4	81.9	87.4	88.5	91.2	92.8	93.1	94.7	94.7	94.7	94.9	95.1	95.6	95.7
GE 1000		62.8	69.5	82.4	88.0	89.0	91.7	93.3	93.9	95.8	95.8	95.8	96.0	96.1	96.7	96.6
GE 900		62.8	69.5	82.4	88.1	89.1	91.8	93.4	94.0	95.9	95.9	95.9	96.1	96.2	96.8	96.9
GE 800		62.9	69.7	82.6	88.5	89.6	92.4	94.1	94.6	96.9	96.9	96.9	97.1	97.2	97.7	97.8
GE 700		63.1	69.9	82.9	88.8	89.9	92.7	94.5	95.1	97.4	97.4	97.4	97.6	97.7	98.3	98.4
GE 600		63.1	70.1	83.1	89.0	90.1	92.9	94.7	95.3	97.7	97.7	97.7	98.0	98.1	98.6	98.7
GE 500		63.1	70.1	83.1	89.0	90.1	93.0	94.9	95.5	98.1	98.1	98.1	98.3	98.4	98.9	99.0
GE 400		63.1	70.1	83.1	89.0	90.1	93.0	94.9	95.6	98.2	98.2	98.2	98.4	98.5	99.0	99.1
GE 300		63.1	70.1	83.1	89.0	90.1	93.0	94.9	95.6	98.2	98.3	98.3	98.5	98.6	99.1	99.2
GE 200		63.1	70.1	83.1	89.0	90.1	93.0	94.9	95.6	98.3	98.5	98.5	98.7	98.8	99.4	99.5
GE 100		63.1	70.1	83.1	89.0	90.1	93.0	94.9	95.6	98.3	98.5	98.6	98.8	98.9	99.7	99.9
GE 0		63.1	70.1	83.1	89.0	90.1	93.0	94.9	95.6	98.3	98.5	98.6	98.8	98.9	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: AUG HOURS(IST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		39.4	40.6	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 20000		46.6	47.8	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 18000		46.7	48.0	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 16000		47.1	48.4	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 14000		47.4	48.8	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 12000		48.4	49.8	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 10000		51.7	53.2	54.8	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 9000		51.9	53.4	55.1	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 8000		54.0	55.6	57.5	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 7000		55.2	57.1	59.1	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 6000		55.4	57.3	59.4	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 5000		58.0	60.2	62.3	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 4500		61.8	64.1	66.2	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 4000		67.3	69.6	72.2	72.6	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 3500		71.0	73.2	76.1	76.8	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 3000		80.3	83.2	86.7	87.3	87.5	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 2500		81.5	84.4	88.3	89.1	89.4	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 2000		83.8	86.7	90.6	91.7	91.9	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1800		84.2	87.1	91.1	92.2	92.4	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1500		86.1	89.1	94.2	95.9	96.2	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1200		86.8	89.8	95.2	97.0	97.3	98.0	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000		87.2	90.3	95.9	97.8	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900		87.2	90.3	95.9	98.0	98.4	99.0	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800		87.2	90.3	95.9	98.1	98.5	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		87.2	90.3	95.9	98.1	98.5	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		87.2	90.3	95.9	98.1	98.5	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		87.2	90.3	95.9	98.1	98.5	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		87.2	90.3	95.9	98.1	98.5	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		87.2	90.3	95.9	98.1	98.5	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		87.2	90.3	95.9	98.1	98.5	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		87.2	90.3	95.9	98.1	98.5	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		87.2	90.3	95.9	98.1	98.5	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: AUG HOURS(LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS													
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4
NO CEIL		37.8	38.1	38.8	38.9	36.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 20000		47.2	47.4	48.3	43.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 18000		47.6	47.8	48.7	48.8	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 16000		47.8	48.1	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 14000		48.5	48.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 12000		49.2	49.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 10000		51.4	51.7	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 9000		51.8	52.2	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 8000		54.9	55.4	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 7000		56.2	56.7	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 6000		57.1	57.5	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 5000		61.4	61.9	63.8	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 4500		68.3	68.8	70.6	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 4000		75.7	76.5	78.4	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 3500		81.6	82.5	84.5	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 3000		89.4	90.3	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 2500		90.2	91.3	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2000		91.5	92.6	95.2	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1800		91.9	93.0	95.7	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1500		92.8	93.9	96.8	97.7	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200		93.0	94.1	97.5	98.7	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000		93.5	94.8	98.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900		93.5	94.8	98.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800		93.5	94.8	98.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700		93.5	94.8	98.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		93.5	94.8	98.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		93.5	94.8	98.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		93.5	94.8	98.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		93.5	94.8	98.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		93.5	94.8	98.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		93.5	94.8	98.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		93.5	94.8	98.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AR GERMANY

PERIOD OF RECORD: 74-83
MONTH: AUG HOURS(IST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CLIL		45.9	46.3	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 20000		54.5	55.2	55.7	55.8	55.8	55.9	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 18000		54.9	55.6	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 16000		54.9	55.6	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 14000		55.5	56.2	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 12000		57.0	57.7	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 10000		60.1	61.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 9000		61.5	62.5	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 8000		67.7	68.8	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 7000		69.4	70.4	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 6000		70.3	71.4	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 5000		74.2	75.7	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 4500		79.5	81.0	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 4000		84.0	85.5	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 3500		88.5	90.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 3000		90.8	92.7	95.1	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 2500		91.1	93.0	95.6	95.9	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2000		92.0	94.1	96.9	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800		92.5	94.5	97.3	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500		92.8	95.1	97.8	98.8	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200		92.9	95.2	98.0	99.0	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000		93.1	95.4	98.2	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900		93.1	95.4	98.2	99.2	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800		93.2	95.5	98.3	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		93.2	95.5	98.3	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		93.2	95.5	98.3	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		93.2	95.5	98.3	99.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		93.2	95.5	98.3	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		93.2	95.5	98.3	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		93.2	95.5	98.3	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		93.2	95.5	98.3	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		93.2	95.5	98.3	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: AUG HOURS (LST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 40	GE 30	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		51.8	53.2	55.4	55.6	55.7	55.8	55.9	56.0	56.2	56.2	56.2	56.2	56.5	56.5	56.5
GE 20000		60.2	61.8	64.0	64.3	64.4	64.6	64.7	64.8	65.1	65.1	65.1	65.1	65.3	65.3	65.3
GE 18000		60.3	61.9	64.1	64.4	64.5	64.7	64.8	64.9	65.2	65.2	65.2	65.2	65.4	65.4	65.4
GE 16000		60.3	61.9	64.1	64.4	64.5	64.7	64.8	64.9	65.2	65.2	65.2	65.2	65.4	65.4	65.4
GE 14000		60.4	62.0	64.2	64.5	64.6	64.8	64.9	65.1	65.3	65.3	65.3	65.3	65.5	65.5	65.5
GE 12000		61.4	63.1	65.4	65.7	65.8	66.0	66.1	66.2	66.5	66.5	66.5	66.5	66.7	66.7	66.7
GE 10000		64.7	66.6	69.1	69.6	69.7	70.0	70.1	70.2	70.4	70.4	70.4	70.4	70.6	70.6	70.6
GE 9000		65.2	67.1	69.7	70.1	70.2	70.5	70.6	70.8	71.0	71.0	71.0	71.0	71.2	71.3	71.3
GE 8000		69.9	71.9	74.7	75.2	75.3	75.6	75.7	75.8	76.0	76.0	76.0	76.0	76.2	76.3	76.3
GE 7000		71.5	73.5	76.8	77.2	77.3	77.6	77.7	77.8	78.1	78.1	78.1	78.1	78.3	78.4	78.4
GE 6000		72.3	74.5	77.7	78.2	78.3	78.6	78.7	78.8	79.0	79.0	79.0	79.0	79.2	79.4	79.4
GE 5000		74.2	76.7	80.0	80.4	80.5	81.1	81.2	81.3	81.5	81.5	81.5	81.5	81.7	81.9	81.9
GE 4500		79.5	82.0	85.6	86.0	86.1	86.7	86.8	86.9	87.3	87.3	87.3	87.3	87.5	87.7	87.7
GE 4000		82.2	84.8	88.5	88.9	89.0	89.6	89.7	89.8	90.2	90.2	90.2	90.2	90.4	90.6	90.6
GE 3500		84.2	87.0	90.6	91.1	91.2	91.7	91.8	91.9	92.4	92.4	92.4	92.4	92.6	92.8	92.8
GE 3000		87.0	90.0	94.2	94.7	94.8	95.5	95.6	95.7	96.1	96.1	96.1	96.1	96.3	96.6	96.6
GE 2500		87.3	90.3	94.6	95.2	95.3	95.9	96.0	96.1	96.6	96.6	96.6	96.6	96.8	97.0	97.0
GE 2000		88.1	91.2	95.5	96.0	96.1	96.8	96.9	97.0	97.4	97.4	97.4	97.4	97.6	97.8	97.8
GE 1800		88.1	91.3	95.6	96.1	96.2	96.9	97.0	97.1	97.5	97.5	97.5	97.5	97.7	98.0	98.0
GE 1500		88.2	91.6	95.9	96.8	96.9	97.5	97.6	98.0	98.4	98.4	98.4	98.4	98.6	98.8	98.8
GE 1200		88.2	91.6	96.2	97.1	97.2	98.0	98.1	98.4	98.8	98.8	98.8	98.8	99.0	99.2	99.2
GE 1000		88.2	91.6	96.3	97.2	97.3	98.1	98.2	98.5	98.9	98.9	98.9	98.9	99.1	99.4	99.4
GE 900		88.2	91.6	96.3	97.2	97.3	98.1	98.2	98.6	99.0	99.0	99.0	99.0	99.2	99.5	99.5
GE 800		88.4	91.9	96.7	97.5	97.6	98.4	98.5	98.9	99.4	99.4	99.4	99.4	99.6	99.8	99.8
GE 700		88.4	91.9	96.7	97.5	97.6	98.4	98.5	98.9	99.4	99.4	99.4	99.4	99.6	99.8	99.8
GE 600		88.4	91.9	96.7	97.5	97.6	98.4	98.5	98.9	99.4	99.4	99.4	99.4	99.6	99.8	99.8
GE 500		98.5	92.0	96.8	97.6	97.7	98.5	98.6	99.0	99.5	99.5	99.5	99.5	99.7	99.9	99.9
GE 400		88.5	92.0	96.8	97.6	97.7	98.5	98.6	99.0	99.5	99.5	99.5	99.5	99.7	99.9	99.9
GE 300		88.5	92.0	96.8	97.6	97.7	98.5	98.6	99.0	99.5	99.5	99.5	99.5	99.7	99.9	99.9
GE 200		88.5	92.0	96.8	97.6	97.7	98.5	98.6	99.0	99.5	99.5	99.5	99.5	99.7	99.9	99.9
GE 100		88.5	92.0	96.8	97.6	97.7	98.5	98.6	99.0	99.5	99.5	99.5	99.5	99.7	99.9	99.9
GE 0		88.5	92.0	96.8	97.6	97.7	98.5	98.6	99.0	99.5	99.5	99.5	99.5	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: AUG HOURS(IST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FELT	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		41.0	43.5	47.0	47.9	48.2	49.0	49.3	49.5	50.1	50.1	50.2	50.3	50.7	51.0	51.2	
GE 20000		46.5	49.2	53.0	54.0	54.3	55.2	55.6	55.8	56.4	56.5	56.6	56.7	57.1	57.4	57.7	
GE 18000		46.7	49.4	53.2	54.2	54.5	55.4	55.8	56.0	56.6	56.7	56.8	56.8	57.3	57.6	57.9	
GE 16000		46.8	49.5	53.3	54.3	54.6	55.5	55.9	56.1	56.7	56.8	56.9	56.9	57.4	57.7	58.0	
GE 14000		47.1	49.8	53.7	54.8	55.1	55.9	56.3	56.5	57.1	57.2	57.3	57.4	57.8	58.2	58.5	
GE 12000		48.0	50.7	54.7	55.8	56.1	56.9	57.3	57.5	58.1	58.3	58.3	58.4	58.9	59.2	59.5	
GE 10000		50.4	53.3	57.6	58.7	59.0	59.9	60.3	60.5	61.2	61.3	61.4	61.4	61.9	62.3	62.6	
GE 9000		50.9	53.9	58.2	59.4	59.7	60.6	61.0	61.2	61.9	62.0	62.0	62.1	62.6	63.0	63.3	
GE 8000		54.3	57.4	62.1	63.3	63.6	64.6	65.0	65.2	65.9	66.0	66.1	66.2	66.7	67.0	67.4	
GE 7000		55.3	58.5	63.3	64.6	64.9	65.8	66.3	66.5	67.2	67.3	67.4	67.5	68.0	68.3	68.7	
GE 6000		55.8	59.1	63.9	65.1	65.5	66.4	66.8	67.0	67.9	67.9	68.0	68.1	68.5	68.9	69.3	
GE 5000		58.4	61.9	66.9	68.2	68.6	69.7	70.2	70.4	71.1	71.3	71.3	71.5	72.0	72.4	72.6	
GE 4500		62.4	66.1	71.3	72.6	73.0	74.2	74.7	74.9	75.7	75.8	75.9	76.0	76.5	76.9	77.4	
GE 4000		66.5	70.3	75.8	77.3	77.7	79.0	79.5	79.7	80.6	80.7	80.8	81.0	81.5	81.9	82.3	
GE 3500		69.3	73.3	78.9	80.5	80.9	82.2	82.8	83.0	84.0	84.1	84.2	84.3	84.6	85.2	85.7	
GE 3000		73.3	77.5	83.6	85.3	85.8	87.4	88.1	88.4	89.4	89.6	89.7	89.8	90.3	90.8	91.2	
GE 2500		73.9	78.2	84.5	86.3	86.7	88.3	89.1	89.4	90.4	90.5	90.6	90.8	91.3	91.7	92.2	
GE 2000		75.1	79.5	85.9	87.8	88.3	89.9	90.7	91.0	92.1	92.2	92.3	92.4	92.9	93.4	93.8	
GE 1800		75.5	79.8	86.3	88.2	88.7	90.3	91.1	91.4	92.5	92.6	92.7	92.9	93.4	93.8	94.3	
GE 1500		76.6	81.2	88.1	90.4	90.9	92.7	93.5	93.9	95.0	95.2	95.3	95.4	95.9	96.3	96.6	
GE 1200		77.0	81.6	88.7	91.1	91.6	93.4	94.3	94.7	95.9	96.1	96.2	96.3	96.8	97.2	97.7	
GE 1000		77.2	81.9	89.1	91.5	92.1	93.9	94.7	95.3	96.6	96.7	96.8	97.0	97.5	97.9	98.4	
GE 900		77.2	81.9	89.1	91.6	92.2	94.0	94.9	95.4	96.7	96.8	96.9	97.1	97.6	98.1	98.6	
GE 800		77.3	82.0	89.3	91.8	92.4	94.2	95.1	95.6	97.0	97.1	97.2	97.4	97.9	98.4	98.9	
GE 700		77.3	82.1	89.4	91.9	92.5	94.3	95.2	95.8	97.2	97.3	97.4	97.6	98.1	98.5	99.0	
GE 600		77.4	82.1	89.4	92.0	92.6	94.4	95.4	95.9	97.3	97.4	97.6	97.8	98.3	98.7	99.2	
GE 500		77.4	82.2	89.5	92.0	92.6	94.5	95.4	96.0	97.4	97.5	97.6	97.8	98.3	98.8	99.3	
GE 400		77.4	82.2	89.5	92.0	92.6	94.5	95.4	96.0	97.4	97.6	97.7	97.9	98.4	98.8	99.3	
GE 300		77.4	82.2	89.5	92.0	92.6	94.5	95.5	96.0	97.5	97.6	97.7	97.9	98.4	98.9	99.3	
GE 200		77.4	82.2	89.5	92.0	92.6	94.5	95.5	96.0	97.5	97.6	97.8	98.0	98.5	98.9	99.4	
GE 100		77.4	82.2	89.5	92.0	92.6	94.5	95.5	96.0	97.5	97.6	97.8	98.0	98.5	99.0	99.8	
GE 0		77.4	82.2	89.5	92.0	92.6	94.5	95.5	96.0	97.5	97.7	97.8	98.0	98.6	99.3	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: SEP HOURS(IST): 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GL	GE	GE	GE	GE	GE
FEET	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		34.9	40.8	45.2	46.8	47.0	48.3	49.3	49.9	52.1	52.2	52.7	52.8	53.4	54.3	55.1	
GE 20000		37.9	44.2	48.7	50.7	50.9	52.3	53.3	53.9	56.2	56.3	56.8	56.9	57.6	58.4	59.3	
GE 18000		38.0	44.3	48.8	50.8	51.0	52.4	53.4	54.0	56.3	56.4	56.9	57.0	57.7	58.6	59.4	
GE 16000		38.0	44.3	48.8	50.8	51.0	52.4	53.4	54.0	56.3	56.4	56.9	57.0	57.7	58.6	59.4	
GE 14000		38.2	44.6	49.0	51.0	51.2	52.7	53.7	54.2	56.6	56.7	57.1	57.2	57.9	58.8	59.7	
GE 12000		38.6	44.9	49.3	51.3	51.6	53.0	54.0	54.6	56.9	57.0	57.4	57.6	58.2	59.1	60.0	
GE 10000		40.8	47.2	51.7	53.7	53.9	55.4	56.4	57.0	59.3	59.6	60.0	60.2	61.0	61.9	62.8	
GE 9000		41.9	48.6	53.1	55.1	55.3	56.9	57.9	58.4	60.8	61.0	61.4	61.7	62.4	63.3	64.2	
GE 8000		44.9	51.8	56.7	58.9	59.1	60.7	61.7	62.2	64.7	64.9	65.3	65.7	66.4	67.3	68.2	
GE 7000		46.3	53.2	58.1	60.3	60.6	62.1	63.1	63.7	66.1	66.3	66.8	67.1	67.9	68.8	69.7	
GE 6000		46.8	53.7	58.7	60.9	61.1	62.7	63.7	64.2	66.7	66.9	67.3	67.7	68.4	69.3	70.2	
GE 5000		49.7	56.9	62.0	64.6	64.8	66.7	67.7	68.2	70.7	70.9	71.3	71.8	72.6	73.4	74.3	
GE 4500		52.3	59.8	64.9	67.4	67.7	69.6	70.7	71.2	73.7	73.9	74.3	74.8	75.6	76.4	77.3	
GE 4000		56.2	64.0	70.2	72.9	73.1	75.0	76.1	76.7	79.1	79.3	79.8	80.2	81.0	81.9	82.8	
GE 3500		57.8	66.0	73.1	75.8	76.1	78.1	79.2	79.8	82.2	82.4	82.9	83.3	84.1	85.0	85.9	
GE 3000		61.7	70.1	78.4	81.7	82.0	84.1	85.2	85.9	88.3	88.6	89.0	89.6	90.3	91.2	92.1	
GE 2500		62.7	71.1	79.4	82.7	83.0	85.1	86.2	86.9	89.3	89.6	90.0	90.6	91.3	92.2	93.1	
GE 2000		63.8	72.2	80.6	83.8	84.1	86.3	87.4	88.1	90.6	90.8	91.2	91.8	92.6	93.4	94.3	
GE 1800		63.8	72.2	80.6	83.8	84.1	86.3	87.4	88.1	90.6	90.8	91.2	91.8	92.6	93.4	94.3	
GE 1500		64.3	72.8	81.3	84.7	85.0	87.2	88.3	89.0	91.4	91.7	92.1	92.7	93.6	94.4	95.3	
GE 1200		65.0	73.4	82.1	85.6	85.9	88.1	89.2	89.9	92.3	92.6	93.0	93.6	94.6	95.4	96.3	
GE 1000		65.2	73.7	83.0	86.6	86.9	89.1	90.2	90.9	93.3	93.6	94.0	94.6	95.6	96.4	97.3	
GE 900		65.2	73.7	83.1	86.7	87.0	89.2	90.3	91.0	93.4	93.7	94.1	94.7	95.7	96.6	97.4	
GE 800		65.2	73.9	83.4	87.0	87.3	89.6	90.7	91.3	93.8	94.0	94.4	95.1	96.1	97.0	97.9	
GE 700		65.2	73.9	83.4	87.0	87.3	89.6	90.7	91.3	93.8	94.0	94.4	95.1	96.1	97.0	97.9	
GE 600		65.2	73.9	83.4	87.0	87.3	89.6	90.7	91.3	93.6	94.0	94.4	95.1	96.1	97.0	97.9	
GE 500		65.4	74.1	83.7	87.2	87.6	89.8	90.9	91.6	94.0	94.2	94.7	95.3	96.3	97.2	98.1	
GE 400		65.4	74.1	83.7	87.2	87.6	89.9	91.0	91.7	94.1	94.3	94.8	95.4	96.4	97.3	98.2	
GE 300		65.4	74.1	83.7	87.2	87.6	89.9	91.0	91.7	94.1	94.4	94.9	95.6	96.6	97.4	98.3	
GE 200		65.4	74.1	83.7	87.2	87.6	89.9	91.0	91.7	94.2	94.6	95.0	95.7	96.8	97.7	98.6	
GE 100		65.4	74.1	83.7	87.2	87.6	89.9	91.0	91.7	94.2	94.6	95.0	95.7	96.8	97.7	98.6	
GE 0		65.4	74.1	83.7	87.2	87.6	89.9	91.0	91.7	94.2	94.6	95.0	95.8	96.9	98.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: SEP HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		27.4	30.7	34.0	35.3	35.6	38.1	39.2	39.7	42.2	43.2	43.4	44.6	45.6	47.0	49.4
GE 20000		29.7	33.2	36.7	38.2	38.6	41.1	42.3	42.8	45.7	46.8	47.0	48.1	49.1	50.6	53.6
GE 18000		29.7	33.2	36.7	38.2	38.6	41.1	42.3	42.8	45.7	46.8	47.0	48.1	49.1	50.6	53.6
GE 16000		29.7	33.2	36.7	38.2	38.6	41.1	42.3	42.8	45.7	46.8	47.0	48.1	49.1	50.6	53.6
GE 14000		29.7	33.2	36.7	38.2	38.6	41.1	42.3	42.8	45.7	46.8	47.0	48.1	49.1	50.6	53.6
GE 12000		29.8	33.3	36.8	38.3	38.7	41.2	42.4	42.9	45.8	46.9	47.1	48.2	49.2	50.7	53.7
GE 10000		31.8	35.3	39.3	41.0	41.3	43.9	45.1	45.7	48.8	49.9	50.1	51.2	52.2	53.7	56.7
GE 9000		32.7	36.2	40.2	41.9	42.2	44.8	46.0	46.6	49.7	50.8	51.0	52.1	53.1	54.6	57.6
GE 8000		35.2	39.0	43.1	44.8	45.1	47.8	49.0	49.6	52.7	53.8	54.0	55.1	56.1	57.6	61.0
GE 7000		36.1	39.9	44.0	45.7	46.0	48.7	49.9	50.4	53.6	54.7	54.9	56.0	57.0	58.7	62.0
GE 6000		36.1	39.9	44.1	45.8	46.1	48.8	50.0	50.6	53.7	54.8	55.0	56.1	57.1	58.8	62.1
GE 5000		38.9	42.9	47.4	49.3	49.7	52.4	53.7	54.2	57.3	58.4	58.7	59.8	61.0	62.7	66.1
GE 4500		42.4	46.9	51.4	53.3	53.7	56.7	57.9	58.4	61.9	63.0	63.2	64.3	65.6	67.2	70.7
GE 4000		46.1	50.6	56.2	58.6	59.0	62.0	63.2	63.8	67.3	68.4	68.7	69.8	71.0	72.7	76.1
GE 3500		49.0	53.9	60.3	62.7	63.1	66.3	67.6	68.1	71.7	72.8	73.0	74.1	75.3	77.0	80.4
GE 3000		52.4	57.7	65.2	67.8	68.7	72.2	73.6	74.2	77.9	79.0	79.2	80.3	81.6	83.2	86.7
GE 2500		53.4	58.9	66.8	69.3	70.2	73.8	75.1	75.8	79.7	80.8	81.0	82.1	83.3	85.0	88.4
GE 2000		54.6	60.1	68.2	70.8	71.7	75.6	77.0	77.8	81.9	83.0	83.2	84.3	85.6	87.2	90.7
GE 1800		55.0	60.8	68.9	71.4	72.3	76.2	77.7	78.4	82.6	83.7	83.9	85.0	86.2	87.9	91.3
GE 1500		56.2	62.0	70.1	72.8	73.7	77.6	79.0	79.8	83.9	85.0	85.2	86.3	87.6	89.2	92.7
GE 1200		56.7	62.4	70.9	73.6	74.4	78.3	79.8	80.6	84.7	85.8	86.0	87.1	88.3	90.0	93.4
GE 1000		56.7	62.4	71.2	74.1	75.0	78.9	80.3	81.1	85.3	86.4	86.7	87.8	89.0	90.7	94.1
GE 900		56.7	62.4	71.2	74.1	75.0	78.9	80.3	81.1	85.3	86.4	86.7	87.8	89.0	90.7	94.1
GE 800		56.7	62.4	71.3	74.2	75.1	79.0	80.4	81.2	85.4	86.6	86.8	87.9	89.1	90.8	94.2
GE 700		56.7	62.4	71.3	74.2	75.1	79.1	80.6	81.3	85.6	86.7	86.9	88.0	89.2	90.9	94.3
GE 600		56.7	62.4	71.3	74.2	75.1	79.1	80.6	81.3	85.6	86.7	86.9	88.0	89.2	90.9	94.3
GE 500		56.7	62.4	71.3	74.2	75.1	79.1	80.6	81.3	85.6	86.7	86.9	88.0	89.2	90.9	94.3
GE 400		56.8	62.6	71.4	74.3	75.2	79.2	80.7	81.4	85.7	86.8	87.0	88.1	89.3	91.0	94.4
GE 300		56.8	62.6	71.4	74.3	75.2	79.2	80.7	81.4	85.7	86.8	87.0	88.1	89.3	91.0	94.4
GE 200		56.8	62.6	71.4	74.3	75.2	79.3	80.8	81.7	85.9	87.0	87.2	88.3	89.7	92.1	96.2
GE 100		56.8	62.6	71.4	74.3	75.2	79.3	80.8	81.7	86.0	87.1	87.3	88.4	89.8	92.2	96.4
GE 0		56.8	62.6	71.4	74.3	75.2	79.3	80.8	81.7	86.0	87.1	87.3	88.6	89.9	93.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: SEP HOURS(LST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	3	0
NO CEIL		15.2	17.8	23.0	24.9	25.2	26.6	27.7	28.2	30.7	31.6	32.2	33.3	34.2	35.4	37.4	
GE 20000		17.1	20.0	25.9	27.9	28.2	29.8	30.9	31.4	33.9	34.8	35.4	36.6	37.7	38.9	41.6	
GE 18000		17.1	20.0	25.9	27.9	28.2	29.8	30.9	31.4	33.9	34.8	35.4	36.6	37.7	38.9	41.6	
GE 16000		17.1	20.0	25.9	27.9	28.2	29.8	30.9	31.4	33.9	34.8	35.4	36.6	37.7	38.9	41.6	
GE 14000		17.1	20.0	25.9	27.9	28.2	29.8	30.9	31.4	33.9	34.8	35.4	36.6	37.7	38.9	41.6	
GE 12000		17.2	20.1	26.0	28.0	28.3	29.9	31.0	31.6	34.1	35.0	35.7	36.8	37.9	39.1	41.8	
GE 10000		18.8	21.9	28.1	30.3	30.8	32.4	33.9	34.6	37.6	38.6	39.2	40.4	41.6	42.8	45.4	
GE 9000		20.0	23.1	29.6	31.8	32.2	33.9	35.3	36.0	39.0	40.0	40.7	41.9	43.0	44.2	46.9	
GE 8000		23.6	27.2	33.7	36.1	36.6	38.3	39.9	40.6	43.6	44.6	45.4	46.7	47.8	49.0	51.9	
GE 7000		23.8	27.4	33.9	36.3	36.8	38.6	40.1	40.8	43.8	44.8	45.7	46.9	48.0	49.2	52.1	
GE 6000		24.0	27.7	34.1	36.7	37.1	38.9	40.4	41.2	44.2	45.2	46.1	47.3	48.4	49.7	52.6	
GE 5000		26.3	30.2	37.7	40.2	40.7	42.6	44.3	45.1	48.3	49.3	50.2	51.6	52.7	53.9	57.2	
GE 4500		29.6	33.6	41.3	43.9	44.3	46.3	48.2	49.0	52.3	53.4	54.4	55.8	56.9	58.1	61.4	
GE 4000		33.0	37.4	46.3	49.3	49.8	52.1	54.1	54.9	58.6	59.8	60.9	62.2	63.4	64.7	68.1	
GE 3500		35.2	40.0	49.3	52.3	52.8	55.2	57.3	58.3	62.0	63.2	64.3	65.7	66.9	68.1	71.7	
GE 3000		37.3	42.8	52.7	56.1	56.7	59.6	61.9	62.9	67.3	68.8	70.0	71.4	72.8	74.0	77.6	
GE 2500		38.3	43.9	53.9	57.6	58.1	61.0	63.3	64.4	69.0	70.4	71.7	73.1	74.4	75.7	79.2	
GE 2000		40.4	46.2	57.0	61.0	61.6	64.7	67.1	68.3	73.0	74.4	75.7	77.1	78.4	79.7	83.2	
GE 1800		41.0	46.8	57.6	61.6	62.1	65.2	67.7	68.9	73.6	75.0	76.2	77.7	79.0	80.2	83.8	
GE 1500		43.2	49.2	60.0	64.1	64.7	67.8	70.3	71.6	76.3	77.8	79.0	80.4	81.8	83.0	86.6	
GE 1200		44.1	50.1	60.9	65.2	65.8	69.1	71.8	73.0	77.8	79.2	80.4	81.9	83.2	84.4	88.0	
GE 1000		44.4	50.4	61.2	65.8	66.3	69.7	72.6	73.8	78.6	80.0	81.2	82.7	84.1	85.3	88.9	
GE 900		44.6	50.6	61.3	65.9	66.4	69.8	72.7	74.0	78.8	80.2	81.4	82.9	84.3	85.6	89.1	
GE 800		44.6	50.6	61.3	65.9	66.4	69.8	72.7	74.0	78.8	80.2	81.4	82.9	84.3	85.6	89.1	
GE 700		44.6	50.6	61.3	66.0	66.6	69.9	72.8	74.1	78.9	80.3	81.6	83.0	84.6	85.8	89.3	
GE 600		44.6	50.6	61.3	66.0	66.6	69.9	72.8	74.1	78.9	80.3	81.6	83.0	84.7	85.9	89.4	
GE 500		44.6	50.6	61.3	66.0	66.6	70.0	72.9	74.2	79.0	80.4	81.7	83.1	84.8	86.0	89.6	
GE 400		44.6	50.6	61.3	66.0	66.6	70.0	72.9	74.2	79.0	80.4	81.7	83.1	84.9	86.1	89.7	
GE 300		44.6	50.6	61.3	66.0	66.6	70.0	72.9	74.2	79.0	80.6	81.8	83.2	85.2	87.0	91.6	
GE 200		44.6	50.6	61.3	66.0	66.6	70.0	72.9	74.2	79.1	80.7	81.9	83.6	85.6	88.4	94.7	
GE 100		44.6	50.6	61.3	66.0	66.6	70.0	72.9	74.2	79.2	80.8	82.0	83.7	85.7	88.7	98.0	
GE 0		44.6	50.6	61.3	66.0	66.6	70.0	72.9	74.2	79.2	80.8	82.0	83.8	85.8	90.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
JSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: SEP HOURS(LST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 9	GE 5	GE 4	GE 0
NO CEIL		19.9	21.6	25.6	28.2	28.4	29.9	31.8	33.0	35.0	35.3	35.4	35.9	35.9	36.1	36.8	
GE 20000		23.7	25.9	30.6	33.4	33.8	35.3	37.7	39.0	41.1	41.4	41.7	42.1	42.1	42.3	43.0	
GE 18000		23.7	25.9	30.6	33.4	33.8	35.3	37.7	39.0	41.1	41.4	41.7	42.1	42.1	42.3	43.0	
GE 16000		23.7	25.9	30.6	33.4	33.8	35.3	37.7	39.0	41.1	41.4	41.7	42.1	42.1	42.3	43.0	
GE 14000		23.7	25.9	30.6	33.4	33.8	35.3	37.7	39.0	41.1	41.4	41.7	42.1	42.1	42.3	43.0	
GE 12000		24.3	26.7	31.3	34.2	34.6	36.2	38.6	39.9	42.0	42.3	42.6	43.0	43.0	43.2	43.9	
GE 10000		25.9	28.6	33.8	36.7	37.0	38.9	41.3	42.7	45.0	45.3	45.6	46.0	46.0	46.2	46.9	
GE 9000		26.8	29.4	34.8	37.7	38.0	39.9	42.3	43.7	46.0	46.3	46.6	47.0	47.0	47.2	47.9	
GE 8000		28.9	31.8	37.6	40.7	41.0	43.2	45.8	47.1	49.6	49.9	50.1	50.6	50.6	50.8	51.4	
GE 7000		30.4	33.4	39.4	42.9	43.2	45.4	48.0	49.3	51.8	52.1	52.3	52.8	52.8	53.0	53.7	
GE 6000		31.1	34.1	40.1	43.7	44.0	46.3	48.9	50.2	52.7	53.0	53.2	53.7	53.7	53.9	54.6	
GE 5000		32.8	36.1	43.0	46.7	47.0	49.4	52.1	53.7	56.4	56.9	57.2	57.7	57.7	57.9	58.6	
GE 4500		36.2	39.7	46.6	50.2	50.6	53.0	55.7	57.2	60.0	60.4	60.8	61.2	61.2	61.4	62.1	
GE 4000		40.3	44.1	51.8	56.0	56.3	59.0	61.9	63.4	66.3	66.9	67.2	67.7	67.7	67.9	68.6	
GE 3500		42.7	46.7	54.3	58.8	59.1	61.8	64.9	66.4	69.3	69.9	70.2	70.7	70.8	71.0	71.8	
GE 3000		49.6	53.8	62.3	67.2	67.6	70.7	74.3	75.9	79.4	80.0	80.4	80.9	81.0	81.2	82.0	
GE 2500		50.2	54.6	63.2	68.3	68.7	71.8	75.4	77.0	80.8	81.4	81.9	82.3	82.4	82.7	83.7	
GE 2000		52.6	57.4	66.1	71.2	71.6	74.7	78.3	79.9	83.7	84.3	84.8	85.2	85.3	85.6	86.6	
GE 1800		52.8	57.7	66.3	71.4	71.8	75.0	78.7	80.2	84.0	84.7	85.1	85.6	85.7	85.9	86.9	
GE 1500		53.6	58.8	67.7	73.6	73.9	77.2	80.9	82.7	86.6	87.2	87.7	88.1	88.2	88.4	89.4	
GE 1200		53.9	59.1	68.0	73.9	74.2	77.7	81.3	83.1	87.2	87.9	88.3	88.8	88.9	89.1	90.1	
GE 1000		54.0	59.3	68.3	74.2	74.6	78.0	81.9	83.7	87.8	88.4	88.9	89.4	89.7	89.9	90.9	
GE 900		54.0	59.3	68.3	74.2	74.6	78.0	81.9	83.8	87.9	88.6	89.0	89.6	89.8	90.0	91.0	
GE 800		54.0	59.3	68.3	74.2	74.6	78.0	81.9	83.8	87.9	88.6	89.0	89.6	89.8	90.0	91.0	
GE 700		54.0	59.3	68.3	74.2	74.6	78.1	82.1	84.0	88.3	89.0	89.4	90.0	90.2	90.4	91.4	
GE 600		54.0	59.3	68.3	74.2	74.6	78.2	82.2	84.3	88.7	89.3	89.9	90.4	90.7	90.9	91.9	
GE 500		54.0	59.3	68.3	74.2	74.6	78.2	82.2	84.3	89.2	90.1	90.8	91.3	91.8	92.0	93.1	
GE 400		54.0	59.3	68.3	74.2	74.6	78.2	82.2	84.3	89.4	90.3	91.1	91.7	92.1	92.4	93.7	
GE 300		54.0	59.3	68.3	74.2	74.6	78.2	82.2	84.3	89.6	90.4	91.2	91.8	92.4	92.9	94.8	
GE 200		54.0	59.3	68.3	74.2	74.6	78.2	82.2	84.3	89.6	90.4	91.2	91.8	92.6	93.3	96.2	
GE 100		54.0	59.3	68.3	74.2	74.6	78.2	82.2	84.3	89.6	90.4	91.2	91.8	92.8	93.8	98.1	
GE 0		54.0	59.3	68.3	74.2	74.6	78.2	82.2	84.3	89.6	90.4	91.3	92.0	93.0	94.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: SEP HOURS(IST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1		33.0	34.3	37.8	39.8	39.8	39.8	39.9	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.0
GE 20000	1		38.8	40.3	44.6	46.6	46.6	46.7	46.9	46.9	47.0	47.0	47.1	47.1	47.1	47.1	47.1
GE 18000	1		39.6	41.1	45.3	47.3	47.3	47.4	47.7	47.7	47.8	47.8	47.9	47.9	47.9	47.9	47.9
GE 16000	1		39.6	41.1	45.3	47.3	47.3	47.4	47.7	47.7	47.8	47.8	47.9	47.9	47.9	47.9	47.9
GE 14000	1		39.6	41.1	45.3	47.3	47.3	47.4	47.7	47.7	47.8	47.8	47.9	47.9	47.9	47.9	47.9
GE 12000	1		40.6	42.1	46.3	48.3	48.3	48.4	48.7	48.7	48.8	48.8	48.9	48.9	48.9	48.9	48.9
GE 10000	1		43.7	45.3	49.7	51.9	51.9	52.0	52.2	52.3	52.4	52.4	52.6	52.6	52.6	52.6	52.6
GE 9000	1		44.3	46.0	50.3	52.6	52.6	52.7	52.9	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2
GE 8000	1		47.3	49.2	53.8	56.2	56.2	56.3	56.6	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9
GE 7000	1		47.7	49.7	54.3	56.8	56.8	56.9	57.1	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4
GE 6000	1		48.8	50.8	55.4	57.9	57.9	58.0	58.3	58.4	58.6	58.6	58.7	58.7	58.7	58.7	58.7
GE 5000	1		50.9	53.1	58.1	60.8	60.8	60.9	61.2	61.3	61.4	61.4	61.6	61.6	61.6	61.6	61.6
GE 4500	1		54.2	56.7	61.7	64.3	64.4	64.6	64.9	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2
GE 4000	1		58.0	60.7	65.9	68.9	69.1	69.2	69.6	69.7	69.9	69.9	70.0	70.0	70.0	70.0	70.0
GE 3500	1		63.4	66.4	71.9	74.9	75.1	75.2	75.6	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0
GE 3000	1		72.9	76.7	83.0	86.6	86.8	87.0	87.3	87.4	87.7	87.7	87.8	87.8	87.8	87.8	87.8
GE 2500	1		74.1	78.1	84.8	88.6	88.9	89.4	89.9	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3
GE 2000	1		77.2	81.4	88.7	92.8	93.1	93.9	94.3	94.4	94.8	94.8	94.9	94.9	94.9	94.9	94.9
GE 1800	1		77.6	81.8	89.0	93.1	93.4	94.2	94.7	94.8	95.1	95.1	95.2	95.2	95.2	95.2	95.2
GE 1500	1		78.6	82.9	90.3	94.4	94.8	95.6	96.2	96.4	96.8	96.8	96.9	96.9	96.9	96.9	96.9
GE 1200	1		79.0	83.3	90.9	95.0	95.4	96.2	96.9	97.1	97.9	97.9	98.0	98.0	98.0	98.0	98.0
GE 1000	1		79.1	83.4	91.3	95.4	95.9	96.7	97.6	97.8	98.6	98.6	98.7	98.7	98.7	98.7	98.7
GE 900	1		79.1	83.6	91.4	95.6	96.0	96.8	97.7	97.9	98.8	98.8	98.9	98.9	98.9	98.9	98.9
GE 800	1		79.1	83.6	91.4	95.6	96.0	96.8	97.8	98.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
GE 700	1		79.1	83.6	91.4	95.6	96.0	96.8	97.9	98.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
GE 600	1		79.1	83.6	91.4	95.6	96.0	96.8	97.9	98.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
GE 500	1		79.1	83.6	91.4	95.6	96.0	96.9	98.0	98.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7
GE 400	1		79.1	83.6	91.4	95.6	96.0	96.9	98.0	98.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7
GE 300	1		79.1	83.6	91.4	95.6	96.0	96.9	98.1	98.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 200	1		79.1	83.6	91.4	95.6	96.0	96.9	98.1	98.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 100	1		79.1	83.6	91.4	95.6	96.0	96.9	98.1	98.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 0	1		79.1	83.6	91.4	95.6	96.0	96.9	98.1	98.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: SEP HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL			36.6	36.8	38.4	39.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
GE 20000			46.6	46.4	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 18000			46.4	46.9	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 16000			46.4	46.9	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 14000			46.6	47.0	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 12000			47.8	48.2	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 10000			50.3	50.8	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 9000			51.9	52.3	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 8000			55.9	56.8	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 7000			56.4	57.3	59.6	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 6000			57.6	58.4	60.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 5000			62.6	63.7	66.3	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 4500			66.7	67.9	70.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 4000			72.3	73.7	76.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 3500			78.0	79.4	82.8	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 3000			86.8	88.4	92.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 2500			87.4	89.2	92.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2000			89.2	91.1	95.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1800			89.4	91.3	95.2	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1500			90.4	92.3	96.4	97.6	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200			90.8	92.7	96.8	98.3	98.3	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000			90.8	92.7	97.0	98.7	98.7	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900			90.8	92.7	97.0	98.7	98.7	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800			90.8	92.7	97.0	98.7	98.7	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700			90.8	92.7	97.0	98.7	98.7	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600			90.8	92.7	97.0	99.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500			90.8	92.7	97.0	99.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400			90.8	92.7	97.0	99.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300			90.8	92.7	97.0	99.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200			90.8	92.7	97.0	99.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100			90.8	92.7	97.0	99.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 01			90.8	92.7	97.0	99.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: SEP HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GF 60	GE 48	GE 40	GE 32	GF 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		42.0	43.2	44.3	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 20000		50.6	52.4	54.1	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.6
GE 18000		50.9	52.8	54.4	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 16000		50.9	52.8	54.4	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 14000		51.0	52.9	54.6	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 12000		52.4	54.3	56.0	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 10000		55.2	57.4	59.2	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 9000		57.0	59.4	61.2	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 8000		62.6	65.2	67.1	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 7000		64.4	67.1	69.0	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 6000		65.9	68.7	70.6	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 5000		69.0	72.0	74.0	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 4500		72.7	75.6	77.8	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 4000		79.1	82.3	84.6	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 3500		81.7	85.1	87.6	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3000		87.3	91.0	94.1	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 2500		88.2	91.9	95.0	96.2	96.2	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2000		89.1	92.8	95.9	97.1	97.1	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1800		89.1	92.6	95.9	97.1	97.1	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1600		89.4	93.1	96.3	97.8	97.8	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200		89.4	93.1	96.7	98.2	98.2	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000		89.4	93.3	97.0	98.7	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900		89.4	93.3	97.0	98.7	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800		89.4	93.3	97.0	98.7	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700		89.4	93.3	97.0	98.7	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600		89.4	93.3	97.0	99.0	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500		89.4	93.3	97.1	99.1	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		89.4	93.3	97.1	99.1	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		89.4	93.3	97.1	99.1	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		89.4	93.3	97.1	99.1	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		89.4	93.3	97.1	99.1	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		89.4	93.3	97.1	99.1	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: SEP HOURS(IST): 2100-2300

CEILING IN FEET	GT 160	VISIBILITY IN HUNDREDS OF METERS														
		GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		46.0	49.6	53.0	53.8	53.9	54.3	54.4	54.4	54.9	54.9	55.0	55.0	55.1	55.1	55.1
GE 20000		50.0	54.4	58.4	59.6	59.7	60.1	60.2	60.2	60.7	60.7	60.8	60.9	61.0	61.0	61.0
GE 18000		50.4	54.9	58.9	60.0	60.1	60.6	60.7	60.7	61.1	61.1	61.2	61.3	61.4	61.4	61.4
GE 16000		50.4	54.9	58.9	60.0	60.1	60.6	60.7	60.7	61.1	61.1	61.2	61.3	61.4	61.4	61.4
GE 14000		50.6	55.0	59.0	60.1	60.2	60.7	60.8	60.8	61.2	61.2	61.3	61.4	61.6	61.6	61.6
GE 12000		51.1	55.6	59.6	60.7	60.8	61.2	61.3	61.3	61.8	61.8	61.9	62.0	62.1	62.1	62.1
GE 10000		53.2	57.7	61.8	62.9	63.0	63.4	63.6	63.6	64.0	64.0	64.1	64.2	64.3	64.3	64.3
GE 9000		54.2	58.9	63.1	64.2	64.3	64.8	64.9	64.9	65.3	65.3	65.4	65.6	65.7	65.7	65.7
GE 8000		57.2	62.4	67.1	68.4	68.6	69.0	69.6	69.6	70.0	70.0	70.1	70.2	70.3	70.3	70.3
GE 7000		58.9	64.3	69.0	70.3	70.4	70.9	71.4	71.4	71.9	71.9	72.0	72.1	72.2	72.2	72.2
GE 6000		59.8	65.2	69.9	71.2	71.3	71.9	72.3	72.3	72.8	72.8	72.9	73.0	73.1	73.1	73.1
GE 5000		62.6	68.3	73.4	75.0	75.1	75.8	76.3	76.3	76.8	76.8	76.9	77.0	77.1	77.1	77.1
GE 4500		65.9	71.7	76.8	78.6	78.7	79.3	79.9	79.9	80.3	80.3	80.4	80.6	80.7	80.7	80.7
GE 4000		71.0	76.9	82.3	84.1	84.3	85.0	85.6	85.6	86.0	86.0	86.1	86.2	86.3	86.3	86.3
GE 3500		72.9	79.2	84.7	86.4	86.7	87.3	87.9	87.9	88.3	88.3	88.4	88.6	88.7	88.7	88.7
GE 3000		77.6	84.1	90.2	92.2	92.4	93.1	94.0	94.0	94.4	94.4	94.6	94.7	94.8	94.8	94.8
GE 2500		78.6	85.1	91.3	93.3	93.6	94.2	95.1	95.1	95.6	95.6	95.7	95.8	95.9	95.9	95.9
GE 2000		79.2	85.8	92.0	94.0	94.2	94.9	95.8	95.8	96.2	96.2	96.3	96.4	96.6	96.6	96.6
GE 1800		79.3	85.9	92.1	94.1	94.3	95.0	95.9	95.9	96.3	96.3	96.4	96.6	96.7	96.7	96.7
GE 1500		79.6	86.1	92.3	94.3	94.6	95.4	96.3	96.3	96.8	96.8	96.9	97.0	97.1	97.1	97.1
GE 1200		80.1	86.8	93.1	95.4	95.7	96.6	97.4	97.4	97.9	97.9	98.0	98.1	98.2	98.2	98.2
GE 1000		80.3	87.1	93.4	95.8	96.0	96.9	98.1	98.1	98.6	98.6	98.7	98.8	98.9	98.9	98.9
GE 900		80.3	87.1	93.7	96.0	96.2	97.1	98.3	98.3	98.8	98.8	98.9	99.0	99.1	99.1	99.1
GE 800		80.4	87.2	93.8	96.1	96.3	97.2	98.4	98.4	98.9	98.9	99.0	99.1	99.2	99.2	99.2
GE 700		80.4	87.2	93.8	96.1	96.3	97.2	98.4	98.4	98.9	98.9	99.0	99.1	99.2	99.2	99.2
GE 600		80.4	87.2	93.8	96.1	96.3	97.6	98.8	98.8	99.2	99.2	99.3	99.4	99.6	99.6	99.6
GE 500		80.6	87.3	94.1	96.4	96.7	97.9	99.1	99.1	99.6	99.6	99.7	99.8	99.9	99.9	99.9
GE 400		80.6	87.3	94.1	96.4	96.7	97.9	99.1	99.1	99.6	99.6	99.7	99.8	99.9	99.9	99.9
GE 300		80.6	87.3	94.1	96.4	96.7	97.9	99.1	99.1	99.6	99.6	99.7	99.8	99.9	99.9	99.9
GE 200		80.6	87.3	94.1	96.4	96.7	97.9	99.1	99.1	99.6	99.6	99.7	99.8	99.9	99.9	99.9
GE 100		80.6	87.3	94.1	96.4	96.7	97.9	99.1	99.1	99.6	99.6	99.7	99.8	99.9	99.9	99.9
GE 01		80.6	87.3	94.1	96.4	96.7	97.9	99.1	99.1	99.6	99.6	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 940

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: SEP HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	ST 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 37	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3
NO CEIL		31.9	34.3	37.7	39.0	39.1	40.0	40.7	41.0	42.3	42.5	42.8	43.1	43.4	43.9	44.6
GE 20000		36.7	39.6	43.4	45.0	45.2	46.1	46.9	47.3	48.5	49.8	49.1	49.4	49.8	50.3	51.2
GE 18000		37.0	39.9	43.7	45.3	45.4	46.4	47.2	47.5	48.8	49.1	49.3	49.7	50.1	50.5	51.4
GE 16000		37.0	39.9	43.7	45.3	45.4	46.4	47.2	47.5	48.8	49.1	49.3	49.7	50.1	50.5	51.4
GE 14000		37.0	40.0	43.8	45.3	45.5	46.5	47.2	47.6	48.9	49.2	49.4	49.8	50.1	50.6	51.5
GE 12000		37.7	40.7	44.5	46.0	46.2	47.2	47.9	48.3	49.6	49.9	50.1	50.5	50.8	51.3	52.2
GE 10000		40.0	43.0	47.1	49.7	49.9	49.9	50.7	51.1	52.5	52.9	53.1	53.5	53.9	54.3	55.2
GE 9000		41.1	44.3	48.4	50.0	50.2	51.2	52.0	52.4	53.8	54.2	54.4	54.8	55.2	55.6	56.5
GE 8000		44.4	47.9	52.3	54.0	54.2	55.3	56.2	56.6	58.0	58.4	58.6	59.0	59.4	59.9	60.9
GE 7000		45.5	49.1	53.4	55.3	55.4	56.6	57.4	57.8	59.3	59.6	59.9	60.3	60.7	61.2	62.1
GE 6000		46.3	49.8	54.2	56.1	56.3	57.4	58.3	58.7	60.1	60.5	60.7	61.1	61.5	62.0	63.0
GE 5000		49.1	52.9	57.8	59.8	60.0	61.2	62.2	62.6	64.1	64.5	64.7	65.2	65.6	66.1	67.1
GE 4500		52.5	56.5	61.4	63.5	63.7	65.0	65.9	66.4	68.0	68.3	68.6	69.0	69.4	69.9	71.0
GE 4000		57.0	61.2	66.8	69.1	69.3	70.7	71.7	72.2	73.8	74.2	74.5	74.9	75.3	75.8	76.9
GE 3500		60.1	64.6	70.5	72.9	73.2	74.6	75.6	76.1	77.8	78.1	78.4	78.9	79.3	79.8	80.9
GE 3000		65.7	70.6	77.3	80.0	80.3	81.9	83.1	83.6	85.5	85.9	86.2	86.7	87.1	87.6	88.7
GE 2500		66.6	71.6	78.4	81.2	81.6	83.3	84.5	85.0	86.9	87.4	87.7	88.1	88.6	89.1	90.2
GE 2000		68.3	73.4	80.4	83.3	83.7	85.5	86.8	87.3	89.3	89.7	90.0	90.5	90.9	91.4	92.5
GE 1800		68.5	73.7	80.7	83.6	83.9	85.8	87.0	87.6	89.6	90.0	90.3	90.8	91.2	91.7	92.8
GE 1500		69.4	74.7	81.6	84.9	85.2	87.2	88.5	89.1	91.1	91.5	91.8	92.3	92.7	93.2	94.3
GE 1200		69.9	75.1	82.4	85.7	86.0	88.0	89.3	89.9	92.0	92.4	92.8	93.2	93.7	94.2	95.3
GE 1000		70.0	75.3	82.8	86.2	86.5	88.5	90.0	90.6	92.7	93.1	93.4	93.9	94.4	94.9	96.0
GE 900		70.0	75.3	82.9	86.2	86.6	88.5	90.0	90.7	92.8	93.2	93.5	94.0	94.5	95.0	96.1
GE 800		70.0	75.4	83.0	86.3	86.6	88.6	90.1	90.7	92.9	93.3	93.6	94.1	94.6	95.1	96.2
GE 700		70.0	75.4	83.0	86.3	86.7	88.7	90.2	90.8	93.0	93.4	93.7	94.2	94.7	95.2	96.3
GE 600		70.0	75.4	83.0	86.4	86.7	88.8	90.3	91.0	93.1	93.6	93.9	94.4	94.9	95.4	96.5
GE 500		70.1	75.4	83.0	86.5	86.8	88.9	90.4	91.1	93.3	93.8	94.2	94.7	95.2	95.7	96.8
GE 400		70.1	75.4	83.1	86.5	86.8	88.9	90.5	91.1	93.4	93.9	94.2	94.7	95.3	95.8	96.9
GE 300		70.1	75.4	83.1	86.5	86.8	88.9	90.5	91.2	93.5	93.9	94.3	94.8	95.4	96.1	97.4
GE 200		70.1	75.4	83.1	86.5	86.8	88.9	90.5	91.2	93.5	94.0	94.4	94.9	95.6	96.4	98.2
GE 100		70.1	75.4	83.1	86.5	86.8	88.9	90.5	91.2	93.5	94.0	94.4	94.9	95.6	96.5	99.2
GE 0		70.1	75.4	83.1	86.5	86.8	88.9	90.5	91.2	93.5	94.0	94.4	95.0	95.7	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: OCT HOURS(LST): 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FLEET	160	90	60	60	40	40	32	24	20	16	12	10	8	5	4	3	0
NO CEIL	1	17.4	18.9	22.3	24.0	24.3	26.5	27.7	29.4	31.5	31.6	32.4	33.5	35.0	36.6	37.5	
GE 20000		19.3	21.0	24.6	26.6	27.0	29.6	30.8	31.5	35.0	35.2	36.0	37.1	38.8	40.4	41.4	
GE 18000		19.3	21.0	24.6	26.6	27.0	29.6	30.8	31.5	35.0	35.2	36.0	37.1	38.8	40.4	41.4	
GE 16000		19.3	21.0	24.6	26.6	27.0	29.6	30.8	31.5	35.0	35.2	36.0	37.1	38.8	40.4	41.4	
GE 14000		19.4	21.1	24.9	26.7	27.1	29.7	30.9	31.6	35.1	35.3	36.1	37.2	38.9	40.5	41.6	
GE 12000		19.7	21.4	25.2	27.0	27.4	30.7	31.2	32.0	35.4	35.6	36.4	37.6	39.2	40.8	41.9	
GE 10000		21.1	22.8	26.6	29.4	26.8	31.4	32.6	33.4	36.8	37.0	37.8	39.0	40.6	42.2	43.3	
GE 9000		21.5	23.4	27.1	29.0	29.4	32.0	33.2	33.9	37.6	37.8	38.5	39.8	41.4	43.1	44.1	
GE 8000		22.9	24.8	28.7	30.6	31.0	33.6	34.9	35.8	39.7	39.9	40.7	42.0	43.6	45.2	46.3	
GE 7000		23.3	25.1	29.1	30.9	31.4	34.0	35.3	36.3	40.2	40.4	41.1	42.4	44.0	45.6	46.7	
GE 6000		23.4	25.2	29.2	31.0	31.5	34.1	35.4	36.4	40.4	40.6	41.3	42.6	44.2	45.9	46.9	
GE 5000		25.2	27.3	31.5	33.4	33.9	36.8	38.2	39.2	43.5	43.7	44.5	45.7	47.4	49.0	50.1	
GE 4500		31.5	34.6	39.2	41.1	41.7	44.6	46.0	46.9	51.5	51.7	52.4	53.7	55.3	56.9	58.0	
GE 4000		36.2	39.9	45.1	47.4	47.9	51.1	52.5	53.5	58.7	58.9	59.6	60.4	62.5	64.2	65.2	
GE 3500		38.2	42.0	47.6	50.3	50.8	54.0	55.4	56.4	61.6	61.8	62.5	63.8	65.4	67.1	68.1	
GE 3000		42.6	47.0	53.7	56.6	57.2	60.5	61.9	63.0	68.4	68.7	69.5	70.9	72.7	74.4	75.5	
GE 2500		44.8	49.3	56.3	59.3	59.8	63.2	64.7	65.6	71.2	71.5	72.3	73.7	75.5	77.2	78.3	
GE 2000		46.9	51.7	59.3	62.4	63.0	66.3	67.8	68.9	74.3	74.6	75.5	76.9	78.6	80.3	81.4	
GE 1800		47.9	52.7	60.4	63.5	64.0	67.4	68.9	70.0	75.3	75.7	76.5	77.9	79.7	81.4	82.5	
GE 1500		49.5	54.4	63.0	66.1	66.6	70.3	72.3	73.4	78.8	79.1	80.0	81.4	83.1	84.8	85.9	
GE 1200		49.7	54.6	63.7	66.8	67.4	71.2	73.6	74.7	80.1	80.4	81.3	82.7	84.4	86.1	87.2	
GE 1000		50.6	55.4	64.9	68.5	69.1	73.3	76.0	77.1	82.8	83.1	84.0	85.4	87.1	88.8	89.9	
GE 900		50.8	55.7	65.6	69.3	70.0	74.2	77.3	78.4	84.3	84.6	85.5	86.9	88.6	90.3	91.4	
GE 800		50.8	55.8	66.0	69.5	70.2	74.6	78.3	79.3	85.7	86.0	86.7	88.3	90.0	91.7	92.8	
GE 700		50.6	55.8	66.0	69.6	70.3	74.9	78.6	79.7	86.2	86.5	87.4	88.8	90.5	92.2	93.3	
GE 600		50.8	55.8	66.0	69.6	70.3	75.5	79.1	80.2	87.2	87.5	88.4	89.8	91.5	93.2	94.3	
GE 500		50.8	55.8	66.0	69.6	70.3	75.5	79.1	80.2	87.2	87.5	88.4	89.8	91.5	93.2	94.3	
GE 400		50.8	55.8	66.0	69.6	70.3	75.5	79.1	80.2	87.2	87.5	88.4	89.8	91.5	93.2	94.3	
GE 300		50.8	55.8	66.0	69.6	70.3	75.5	79.1	80.2	87.2	87.5	88.4	89.8	91.5	93.2	94.3	
GE 200		50.8	55.8	66.0	69.6	70.3	75.5	79.1	80.2	87.2	87.5	88.4	89.8	91.5	93.2	94.3	
GE 100		50.8	55.8	66.0	69.6	70.3	75.5	79.1	80.2	87.2	87.5	88.4	89.8	91.5	93.2	94.3	
GE 0		50.8	55.8	66.0	69.6	70.3	75.5	79.1	80.2	87.2	87.5	88.4	89.8	91.5	93.2	94.3	

TOTAL NUMBER OF OBSERVATIONS: 9.9

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: OCT HOURS(IST): 0700-0900

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 6	GE 4	GE 3	
NO CEIL		11.5	13.1	15.8	17.6	17.7	18.6	19.7	20.3	23.7	23.4	24.3	25.9	27.3	29.8	31.5	
GE 20000		13.1	14.7	18.0	19.8	19.9	21.1	22.4	23.3	26.8	26.9	27.4	29.0	30.5	33.1	34.8	
GE 18000		13.1	14.7	18.0	19.8	19.9	21.1	22.4	23.3	26.8	26.9	27.4	29.0	30.5	33.1	34.8	
GE 16000		13.2	14.6	18.1	19.7	20.0	21.2	22.5	23.4	26.9	27.0	27.5	29.1	30.6	33.2	34.9	
GE 14000		13.2	14.6	18.1	19.9	20.0	21.2	22.5	23.4	26.9	27.0	27.5	29.1	30.6	33.2	34.9	
GE 12000		13.2	14.6	18.1	19.9	20.0	21.2	22.5	23.4	26.9	27.0	27.5	29.1	30.6	33.2	34.9	
GE 10000		14.3	15.9	19.1	21.0	21.1	22.3	23.5	24.5	28.0	29.1	29.6	30.2	31.7	34.3	36.0	
GE 9000		14.9	16.7	20.1	22.0	22.2	23.4	24.7	25.7	29.1	29.2	29.8	31.5	33.0	35.6	37.3	
GE 8000		16.2	18.1	21.8	23.8	23.9	25.2	26.6	27.5	31.1	31.2	31.7	33.4	34.9	37.5	39.2	
GE 7000		16.2	18.1	21.8	23.8	23.9	25.2	26.6	27.5	31.1	31.2	31.7	33.4	34.9	37.5	39.2	
GE 6000		16.8	18.7	22.5	24.4	24.5	25.8	27.3	28.3	31.9	32.0	32.6	34.3	35.8	38.4	40.1	
GE 5000		18.5	20.8	24.7	27.0	27.2	28.6	30.3	31.4	35.6	35.7	36.3	38.1	39.8	42.4	44.1	
GE 4500		23.0	26.1	30.9	33.3	33.5	34.9	36.7	37.7	41.9	42.0	42.7	44.4	46.1	48.7	50.4	
GE 4000		29.0	32.6	37.5	40.2	40.4	41.9	43.8	44.9	49.5	49.9	50.6	52.4	54.1	56.7	58.4	
GE 3500		31.9	35.7	40.8	43.8	44.0	45.5	47.4	48.6	53.2	53.4	54.5	56.2	58.0	60.5	62.3	
GE 3000		34.9	39.1	44.4	47.4	47.6	49.6	52.0	53.2	58.0	58.7	59.8	61.5	63.2	65.9	67.6	
GE 2500		36.2	40.4	46.5	49.5	49.7	51.6	54.1	55.3	60.1	60.9	61.9	63.7	65.4	68.1	69.8	
GE 2000		40.0	44.2	51.0	54.0	54.4	56.3	58.4	60.1	64.9	65.7	66.6	68.5	70.3	73.0	74.7	
GE 1800		40.1	44.3	51.1	54.3	54.8	56.8	59.5	60.8	65.6	66.3	67.4	69.1	71.0	73.7	75.4	
GE 1600		43.2	47.4	55.4	59.6	59.1	61.3	64.4	65.7	70.6	71.4	72.5	74.2	76.1	78.8	80.5	
GE 1400		43.3	47.5	56.1	59.4	60.0	62.4	66.0	67.3	72.7	73.4	74.5	76.2	78.2	80.9	82.6	
GE 1000		44.0	48.2	57.0	60.2	60.9	63.7	67.4	68.7	74.6	75.4	76.5	78.2	80.1	82.8	84.5	
GE 900		44.3	48.5	58.0	61.4	62.0	64.9	68.4	70.3	76.3	77.1	78.2	79.9	81.8	84.5	86.2	
GE 800		44.9	49.1	59.0	62.5	63.1	66.2	70.4	71.9	78.1	78.8	79.9	81.6	83.5	86.2	88.0	
GE 700		45.4	49.6	59.5	63.0	63.7	67.0	71.3	72.8	78.9	79.7	80.8	82.5	84.4	87.1	88.8	
GE 600		45.4	49.6	59.5	63.0	63.7	67.0	71.3	72.8	78.9	79.7	80.8	82.5	84.4	87.1	88.8	
GE 500		45.4	49.6	59.5	63.0	63.7	67.0	71.3	72.8	78.9	79.7	80.8	82.5	84.4	87.1	88.8	
GE 400		45.4	49.6	59.5	63.0	63.7	67.0	71.3	72.8	78.9	79.7	80.8	82.5	84.4	87.1	88.8	
GE 300		45.4	49.6	59.5	63.0	63.7	67.0	71.3	72.8	78.9	79.7	80.8	82.5	84.4	87.1	88.8	
GE 200		45.4	49.6	59.5	63.0	63.7	67.0	71.3	72.8	78.9	79.7	80.8	82.5	84.4	87.1	88.8	
GE 100		45.4	49.6	59.5	63.0	63.7	67.0	71.3	72.8	78.9	79.7	80.8	82.5	84.4	87.1	88.8	
GE 0		45.4	49.6	59.5	63.0	63.7	67.0	71.3	72.8	78.9	79.7	80.8	82.5	84.4	87.1	88.8	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: OCT HOURS(EST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GE 160	GE 90	GE 80	GE 60	GE 45	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		8.2	9.1	10.6	12.2	12.4	12.6	13.1	13.2	15.1	15.4	15.4	15.9	16.9	19.8
GE 20000		9.5	10.5	12.3	13.8	14.0	14.7	15.3	15.6	17.4	17.7	17.7	18.3	19.2	22.3
GE 18000		9.5	10.5	12.3	13.8	14.0	14.7	15.3	15.6	17.4	17.7	17.7	18.3	19.2	22.3
GE 16000		9.5	10.5	12.4	13.9	14.1	14.8	15.4	15.7	17.5	17.8	17.8	18.4	19.4	22.4
GE 14000		9.6	10.6	12.5	14.0	14.2	14.9	15.5	15.8	17.6	18.0	18.0	18.5	19.5	22.6
GE 12000		9.6	10.6	12.5	14.0	14.2	14.9	15.5	15.8	17.6	18.0	18.0	18.5	19.5	22.6
GE 10000		10.3	11.5	13.4	14.9	15.2	15.9	16.5	16.8	18.6	18.9	19.0	19.6	20.5	23.7
GE 9000		10.6	11.8	14.0	15.5	15.7	16.4	17.5	17.8	19.8	20.1	20.2	20.8	21.7	24.8
GE 8000		11.2	12.4	14.5	16.1	16.3	17.6	18.6	18.9	20.9	21.2	21.3	21.8	22.8	25.9
GE 7000		11.5	12.7	14.8	16.5	16.7	18.0	18.9	19.2	21.2	21.5	21.6	22.2	23.1	26.2
GE 6000		11.7	12.9	15.1	16.7	16.9	18.2	19.1	19.5	21.6	21.9	22.0	22.6	23.7	26.9
GE 5000		13.0	14.5	17.1	19.0	19.5	20.9	22.2	22.6	25.3	25.8	25.9	26.5	27.6	30.9
GE 4500		17.2	19.1	22.4	24.5	25.1	26.5	27.7	28.3	31.0	31.5	31.6	32.2	33.3	36.6
GE 4000		22.3	24.3	28.2	30.8	31.3	32.7	34.1	34.6	37.3	37.8	38.0	38.5	39.7	43.0
GE 3500		25.5	28.1	32.6	35.6	36.1	37.6	39.0	39.6	42.3	42.8	42.9	43.4	44.6	48.0
GE 3000		29.8	32.6	37.8	41.0	41.5	43.0	44.8	45.7	48.9	49.8	50.0	50.9	52.3	55.6
GE 2500		31.7	34.5	40.5	43.7	44.2	45.8	47.7	48.6	51.8	52.7	52.9	53.8	55.2	58.5
GE 2000		36.0	38.9	45.3	48.5	49.0	50.8	52.9	53.9	57.4	58.3	58.5	59.4	60.9	64.2
GE 1800		36.2	39.1	45.6	49.1	49.7	51.4	53.5	54.5	58.1	58.9	59.1	60.0	61.5	64.8
GE 1600		40.5	43.9	51.6	55.4	55.9	58.1	60.5	61.5	65.4	66.5	66.7	67.5	69.0	72.4
GE 1400		41.5	44.6	53.1	57.1	57.6	59.9	62.6	63.5	67.6	68.7	68.9	69.8	71.3	74.6
GE 1200		41.8	45.2	54.1	58.2	58.7	61.2	63.9	64.8	69.6	70.6	70.9	71.7	73.2	76.6
GE 1000		42.5	45.8	54.8	59.4	60.1	62.3	65.9	66.9	71.6	72.7	72.9	73.8	75.3	78.6
GE 900		42.6	46.1	55.5	60.0	60.8	63.4	66.7	67.6	72.4	73.5	73.7	74.1	75.1	78.9
GE 800		42.8	46.1	55.7	60.3	61.1	64.1	68.3	68.9	74.2	75.3	75.9	76.9	78.4	81.7
GE 700		42.8	46.1	55.9	60.6	61.5	64.9	69.2	70.3	75.8	76.9	77.6	78.7	80.2	83.5
GE 600		42.8	46.1	56.1	60.9	61.7	65.2	69.5	70.6	76.7	77.0	77.7	79.8	81.4	84.7
GE 500		42.8	46.1	56.1	60.9	61.7	65.4	70.0	71.3	77.8	79.5	80.4	81.5	83.1	86.6
GE 400		42.8	46.1	56.1	60.9	61.7	65.7	70.4	71.9	78.8	80.9	82.0	83.2	84.9	88.6
GE 300		42.8	46.1	56.1	60.9	61.7	65.7	70.4	71.9	79.2	81.3	82.7	84.0	86.0	90.3
GE 200		42.8	46.1	56.1	60.9	61.7	65.7	70.4	71.9	79.2	81.3	82.7	84.0	86.2	91.5
GE 100		42.8	46.1	56.1	60.9	61.7	65.7	70.4	71.9	79.2	81.3	82.7	84.0	86.2	91.5
GE 0		42.9	46.1	56.1	60.9	61.7	65.7	70.4	71.9	79.2	81.3	82.7	84.0	86.2	91.7

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106147 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: OCT HOURS(IST): 0500-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		6.0	6.9	9.0	10.3	10.4	10.9	11.0	11.1	11.7	11.9	11.9	11.9	12.0	13.7	14.6
GE 20000	8.7	9.7	12.4	14.0	14.2	14.7	15.3	15.5	16.7	17.0	17.1	17.2	17.5	19.4	20.6	
GE 18000	8.7	9.7	12.4	14.0	14.2	14.7	15.3	15.5	16.7	17.0	17.1	17.2	17.5	19.4	20.6	
GE 16000	8.7	9.7	12.4	14.0	14.2	14.7	15.3	15.5	16.7	17.0	17.1	17.2	17.5	19.4	20.6	
GE 14000	8.7	9.7	12.4	14.0	14.2	14.7	15.3	15.5	16.7	17.0	17.1	17.2	17.5	19.6	20.9	
GE 12000	8.9	9.9	12.6	14.4	14.6	15.2	15.7	15.9	17.1	17.4	17.5	17.6	18.0	20.0	21.3	
GE 10000	9.9	10.9	13.7	15.6	15.8	16.5	17.0	17.2	18.5	18.8	18.9	19.0	19.5	21.5	22.8	
GE 9000	10.4	11.4	14.4	16.3	16.6	17.4	18.0	18.2	19.6	19.9	20.0	20.1	20.5	22.6	23.9	
GE 8000	11.3	12.8	16.3	18.4	18.7	19.8	20.3	20.5	21.9	22.3	22.4	22.5	22.9	24.9	26.2	
GE 7000	11.6	13.2	16.8	19.0	19.4	20.4	21.0	21.2	22.6	22.9	23.0	23.1	23.5	25.6	26.9	
GE 6000	12.2	13.9	17.4	19.7	20.0	21.1	21.6	21.8	23.2	23.5	23.7	23.8	24.2	26.2	27.5	
GE 5000	12.8	14.6	18.8	21.2	21.6	22.7	23.2	23.4	25.6	25.9	26.0	26.1	26.7	28.8	30.1	
GE 4000	15.7	18.1	23.4	26.0	26.6	27.6	28.3	28.5	30.9	31.2	31.3	31.5	32.0	34.2	35.5	
GE 3000	18.2	21.3	27.3	30.2	30.9	32.0	32.8	33.0	35.4	35.7	35.8	36.0	36.6	38.7	40.0	
GE 2500	19.6	23.7	30.1	33.2	33.9	35.3	36.0	36.3	38.7	39.0	39.1	39.4	39.9	42.0	43.3	
GE 2000	23.9	28.4	35.5	39.1	39.8	41.2	42.4	43.0	46.2	46.7	46.8	47.1	47.6	49.8	51.1	
GE 1500	26.9	31.7	39.6	43.3	44.0	45.5	46.7	47.3	50.6	51.1	51.2	51.5	52.0	54.2	55.5	
GE 1000	29.7	34.9	43.4	47.8	48.5	50.3	51.7	52.6	56.1	56.6	56.7	57.0	57.5	59.7	61.0	
GE 800	30.1	35.6	44.4	48.8	49.5	51.3	52.7	53.5	57.1	57.5	57.6	58.0	58.5	60.6	61.9	
GE 600	33.8	39.4	50.0	55.1	55.8	58.1	59.6	60.6	64.5	64.9	65.1	65.4	65.9	68.1	69.4	
GE 400	36.6	43.0	53.5	59.2	60.2	62.8	64.3	65.4	69.5	70.0	70.1	70.4	71.0	73.1	74.4	
GE 300	37.3	44.2	55.9	62.4	63.3	66.3	68.1	69.1	73.4	74.0	74.1	74.4	74.9	77.1	78.4	
GE 200	37.6	44.5	56.9	64.2	65.3	68.4	70.4	71.5	75.8	76.3	76.5	76.8	77.3	79.5	80.8	
GE 150	37.8	44.7	57.2	64.6	65.7	68.8	70.9	71.9	76.2	76.8	76.9	77.2	77.7	79.9	81.2	
GE 100	38.2	45.1	57.5	65.4	66.5	69.7	72.3	73.3	78.3	78.4	79.1	79.5	80.0	82.2	83.4	
GE 50	38.2	45.1	58.0	65.9	67.1	70.6	73.4	74.5	79.8	80.3	80.8	81.1	81.6	83.8	85.1	
GE 20	38.2	45.1	58.2	66.1	67.3	71.3	74.3	75.5	81.5	82.2	82.7	83.0	83.5	85.9	87.2	
GE 10	38.2	45.1	58.2	66.1	67.3	71.4	74.4	75.8	83.1	83.9	84.7	85.2	85.7	88.2	89.7	
GE 5	38.2	45.1	58.2	66.1	67.3	71.4	74.7	76.3	84.0	84.9	85.9	86.6	87.5	90.0	92.7	
GE 2	38.2	45.1	58.2	66.1	67.3	71.4	74.7	76.5	84.7	85.7	86.8	87.8	89.2	92.5	96.6	
GE 1	38.2	45.1	58.2	66.1	67.3	71.4	74.7	76.5	84.8	85.4	86.4	88.0	89.5	93.1	99.6	
GE 0	38.2	45.1	58.2	66.1	67.3	71.4	74.8	76.6	84.9	85.9	87.0	88.1	89.7	93.3	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: OCT HOURS(IST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	ST 160	GE 90	GE 60	GF 60	GE 40	GF 40	GE 32	GF 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GF 0
NO CEIL		14.2	15.1	17.1	18.3	18.4	19.9	19.1	19.1	19.6	19.6	19.8	19.8	19.8	19.8	19.8
GE 2000		18.6	19.7	22.3	23.7	23.8	24.4	24.7	24.9	25.6	25.6	25.8	25.8	25.8	25.8	25.8
GE 1800		18.6	19.7	22.3	23.7	23.8	24.4	24.7	24.9	25.6	25.6	25.8	25.8	25.8	25.8	25.8
GE 1600		18.7	19.6	22.4	23.8	23.9	24.5	24.8	25.1	25.7	25.7	25.9	25.9	25.9	25.9	25.9
GE 1400		18.7	19.8	22.4	23.8	23.9	24.5	24.8	25.1	25.7	25.7	25.9	25.9	25.9	25.9	25.9
GE 1200		20.1	21.2	23.9	25.3	25.4	26.0	26.3	26.6	27.2	27.2	27.4	27.4	27.4	27.4	27.4
GE 1000		20.9	21.9	24.9	26.5	26.6	27.2	27.6	27.8	28.5	28.5	28.7	28.7	28.7	28.7	28.7
GE 900		21.5	22.6	25.9	27.4	27.5	28.2	28.6	28.8	29.5	29.5	29.7	29.7	29.7	29.7	29.7
GE 800		23.3	24.5	28.2	29.8	29.9	30.5	31.0	31.2	31.8	31.8	32.0	32.0	32.0	32.0	32.0
GE 700		23.4	24.6	28.3	30.0	30.3	31.0	31.4	31.6	32.3	32.3	32.5	32.5	32.5	32.5	32.5
GE 600		23.7	24.8	28.5	30.2	30.5	31.2	31.6	31.8	32.5	32.5	32.7	32.7	32.7	32.7	32.7
GE 500		25.2	26.5	30.4	32.3	32.6	33.3	33.8	34.0	34.7	34.7	34.9	34.9	34.9	34.9	34.9
GE 450		29.0	30.5	35.2	37.2	37.5	38.3	38.7	38.9	39.9	39.9	40.1	40.1	40.1	40.1	40.1
GE 400		32.2	33.7	38.6	40.8	41.1	41.9	42.4	42.7	43.7	43.7	43.9	43.9	44.0	44.0	44.0
GE 350		35.3	37.4	42.7	44.8	45.4	46.3	47.0	47.3	48.3	48.3	48.5	48.5	48.6	48.6	48.6
GE 300		42.2	44.7	50.9	53.8	54.6	55.9	56.7	57.4	58.5	58.5	58.7	58.7	58.8	58.8	58.8
GE 250		46.7	49.5	55.9	58.9	59.8	61.3	62.2	62.9	64.0	64.0	64.2	64.2	64.3	64.3	64.3
GE 200		49.4	52.7	60.2	63.5	64.4	66.1	67.0	67.7	68.8	68.8	69.0	69.0	69.1	69.1	69.1
GE 180		51.1	54.4	62.0	65.6	66.5	68.2	69.0	69.8	70.9	70.9	71.1	71.1	71.2	71.2	71.2
GE 150		55.4	59.0	67.2	71.9	72.8	74.5	75.4	76.1	77.3	77.3	77.5	77.5	77.6	77.6	77.6
GE 120		57.4	61.3	70.4	76.0	76.9	78.6	79.5	80.3	81.6	81.6	81.8	81.8	81.9	81.9	81.9
GE 100		59.4	64.0	73.9	80.5	81.5	83.4	84.3	85.2	86.6	86.6	86.8	86.8	86.9	87.0	87.0
GE 90		59.6	64.4	74.6	81.4	82.4	84.4	85.4	86.3	87.7	87.7	88.0	88.0	88.1	88.2	88.2
GE 80		59.9	64.9	75.4	82.7	83.7	85.9	87.0	88.1	89.7	89.7	89.9	89.9	90.0	90.1	90.1
GE 70		60.0	65.1	75.5	83.3	84.3	86.7	87.8	89.0	90.6	90.6	90.9	90.9	91.0	91.1	91.1
GE 60		60.0	65.1	75.9	84.3	85.3	87.8	89.2	90.8	93.1	93.1	93.3	93.3	93.4	93.5	93.5
GE 50		60.0	65.1	76.0	84.4	85.6	88.4	90.0	91.7	94.8	94.8	95.2	95.3	95.4	95.5	95.5
GE 40		60.0	65.1	76.2	84.7	85.9	88.9	90.6	92.5	96.1	96.1	96.6	96.7	96.8	97.0	97.0
GE 30		60.0	65.1	76.4	84.7	85.9	88.9	90.6	92.7	96.9	97.0	97.4	97.5	98.1	98.3	98.5
GE 20		60.0	65.1	76.2	84.7	85.9	88.9	90.6	92.7	97.2	97.6	98.1	98.3	98.9	99.2	99.5
GE 10		60.0	65.1	76.2	84.7	85.9	88.9	90.6	92.7	97.2	97.6	98.1	98.5	99.2	99.6	100.0
GE 0		60.0	65.1	76.2	84.7	85.9	88.9	90.6	92.7	97.2	97.6	98.1	98.5	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: OCT HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3
NO CEIL	1		21.8	23.5	26.2	26.7	26.7	26.8	26.8	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0
GE 20000			27.2	29.0	32.4	32.9	32.9	33.1	33.2	33.2	33.5	33.5	33.5	33.5	33.5	33.5	33.5
GE 18000			27.3	29.1	32.5	33.0	33.0	33.2	33.3	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 16000			27.3	29.1	32.5	33.0	33.0	33.2	33.3	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 14000			27.3	29.1	32.5	33.0	33.0	33.2	33.3	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 12000			28.0	29.8	33.1	33.7	33.7	33.9	34.0	34.0	34.3	34.3	34.3	34.3	34.3	34.3	34.3
GE 10000			29.5	31.3	34.8	35.4	35.4	35.6	35.7	35.7	36.0	36.0	36.0	36.0	36.0	36.0	36.0
GE 9000			30.5	32.4	36.2	36.8	36.8	37.0	37.1	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 8000			33.1	34.9	39.0	39.6	39.6	39.8	39.9	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 7000			34.2	36.0	40.1	40.6	40.8	41.0	41.1	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 6000			34.3	36.1	40.2	40.8	40.9	41.1	41.2	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 5000			37.6	39.6	44.0	44.5	44.6	44.8	44.9	44.9	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 4500			41.5	43.9	48.6	49.1	49.2	49.5	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 4000			46.6	48.9	54.0	54.8	54.9	55.2	55.3	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 3500			49.6	52.7	58.1	59.6	59.7	60.0	60.1	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 3000			60.4	64.0	70.4	72.6	72.7	73.0	73.1	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 2500			64.4	68.2	74.9	77.1	77.2	77.5	77.6	77.7	78.1	78.2	78.2	78.2	78.2	78.2	78.2
GE 2000			67.0	70.9	77.6	80.2	80.3	80.6	81.0	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 1800			68.0	71.9	79.0	81.7	81.8	82.2	82.5	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 1500			71.1	75.7	83.8	86.6	86.7	87.1	87.4	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 1200			72.2	77.0	86.6	90.4	90.5	91.3	91.6	91.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1000			72.7	77.8	87.8	92.4	92.6	93.3	93.7	94.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 900			72.8	78.0	88.0	92.5	92.7	93.4	94.0	94.4	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 800			72.9	78.2	88.3	93.0	93.2	94.0	94.6	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 700			73.2	78.5	88.6	94.3	94.7	95.7	96.3	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 600			73.2	78.5	88.7	94.4	94.8	95.8	96.8	97.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 500			73.2	78.5	88.7	94.4	94.8	96.1	97.1	97.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400			73.2	78.5	88.7	94.4	94.8	96.1	97.1	97.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300			73.2	78.5	88.7	94.4	94.8	96.1	97.1	98.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200			73.2	78.5	88.7	94.4	94.8	96.1	97.1	98.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100			73.2	78.5	88.7	94.4	94.8	96.1	97.1	98.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE	0		73.2	78.5	88.7	94.4	94.8	96.1	97.1	98.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: OCT HOURS(IST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE J
NO CEIL	I	23.9	26.6	28.6	29.4	29.5	29.9	30.0	30.0	30.1	30.1	30.1	30.1	30.2	30.3	30.3	
GE 20000	I	30.6	34.1	36.5	37.1	37.2	38.2	38.3	38.3	38.7	39.8	38.8	38.8	38.9	39.0	39.0	
GE 18000	I	31.1	34.5	36.9	37.5	37.6	38.6	38.7	38.7	39.1	39.2	39.2	39.2	39.4	39.5	39.5	
GE 16000	I	31.1	34.5	36.9	37.5	37.6	38.6	38.7	38.7	39.1	39.2	39.2	39.2	39.4	39.5	39.5	
GE 14000	I	31.1	34.5	36.9	37.5	37.6	38.6	38.7	38.7	39.1	39.2	39.2	39.2	39.4	39.5	39.5	
GE 12000	I	31.9	35.4	37.7	38.4	38.5	39.5	39.6	39.6	40.0	40.1	40.1	40.1	40.2	40.3	40.3	
GE 10000	I	34.0	37.4	39.9	40.5	40.6	41.7	41.8	41.8	42.3	42.4	42.4	42.4	42.5	42.6	42.6	
GE 9000	I	34.4	38.0	40.9	41.5	41.6	42.7	42.8	42.8	43.2	43.3	43.3	43.3	43.4	43.5	43.5	
GE 8000	I	37.3	40.9	44.3	44.9	45.1	46.1	46.2	46.2	46.7	46.8	46.8	46.8	46.9	47.0	47.0	
GE 7000	I	38.2	41.7	45.2	45.8	45.9	47.0	47.1	47.1	47.5	47.6	47.6	47.6	47.7	47.8	47.8	
GE 6000	I	39.1	42.8	46.2	47.1	47.2	48.3	48.4	48.4	48.8	48.9	48.9	48.9	49.0	49.1	49.1	
GE 5000	I	41.9	45.6	49.0	49.9	50.0	51.1	51.2	51.2	51.6	51.7	51.7	51.7	51.8	51.9	51.9	
GE 4500	I	46.5	50.5	54.4	55.5	55.6	56.7	56.8	56.8	57.2	57.3	57.3	57.3	57.4	57.5	57.5	
GE 4000	I	51.1	55.2	59.4	60.5	60.9	62.0	62.2	62.2	62.6	62.7	62.7	62.7	62.8	62.9	62.9	
GE 3500	I	54.6	58.9	63.1	64.8	65.2	66.5	66.6	66.6	67.0	67.1	67.1	67.1	67.2	67.3	67.3	
GE 3000	I	61.1	66.8	71.8	73.7	74.0	75.3	75.5	75.5	75.9	76.0	76.0	76.0	76.1	76.2	76.2	
GE 2500	I	63.8	69.5	75.2	77.0	77.3	78.6	79.0	79.0	79.5	79.6	79.6	79.6	79.7	79.8	79.8	
GE 2000	I	66.7	72.8	79.0	80.9	81.2	82.7	83.1	83.1	83.5	83.7	83.7	83.7	83.8	83.9	83.9	
GE 1800	I	66.9	73.0	79.4	81.7	82.0	83.7	84.2	84.2	84.6	84.7	84.7	84.7	84.8	84.9	84.9	
GE 1500	I	67.6	74.2	81.2	83.9	84.2	85.9	86.6	86.7	87.2	87.3	87.3	87.3	87.4	87.5	87.5	
GE 1200	I	69.1	76.1	84.5	87.8	88.3	90.3	91.3	91.5	92.0	92.2	92.2	92.2	92.3	92.4	92.4	
GE 1000	I	69.5	77.1	85.6	89.4	89.8	92.0	93.1	93.3	94.3	94.4	94.4	94.4	94.5	94.6	94.6	
GE 900	I	69.5	77.2	85.8	89.6	90.0	92.4	93.7	93.9	95.1	95.2	95.2	95.2	95.3	95.4	95.4	
GE 800	I	69.8	77.6	86.3	90.2	90.6	93.0	94.3	94.5	95.8	95.9	95.9	95.9	96.0	96.1	96.1	
GE 700	I	69.8	77.6	86.3	90.4	90.9	93.5	94.8	95.1	96.3	96.5	96.5	96.5	96.6	96.7	96.7	
GE 600	I	69.8	77.6	86.3	90.5	91.0	93.7	95.3	95.8	97.2	97.3	97.3	97.3	97.4	97.5	97.5	
GE 500	I	69.8	77.6	86.3	90.5	91.0	93.9	95.8	96.3	98.1	98.2	98.2	98.2	98.3	98.4	98.4	
GE 400	I	69.8	77.6	86.3	90.8	91.2	94.1	96.1	96.7	98.7	98.8	98.8	98.8	98.9	99.0	99.0	
GE 300	I	69.8	77.6	86.3	90.8	91.2	94.1	96.2	96.8	98.9	99.0	99.2	99.2	99.4	99.5	99.5	
GE 200	I	69.8	77.6	86.3	90.8	91.2	94.1	96.2	96.8	98.9	99.0	99.2	99.2	99.4	99.5	99.8	
GE 100	I	69.8	77.6	86.3	90.8	91.2	94.1	96.2	96.8	98.9	99.0	99.2	99.2	99.4	99.5	100.0	
GE	0	69.8	77.6	86.3	90.8	91.2	94.1	96.2	96.8	98.9	99.0	99.2	99.2	99.4	99.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: OCT HOURS(LST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE U
NO CEIL			25.3	27.0	30.3	31.3	31.7	33.8	34.3	34.3	35.9	35.9	36.2	36.6	36.9	37.4	36.1
GE 20000			28.2	31.1	34.7	35.7	36.1	38.3	38.9	38.9	41.1	41.1	41.5	41.8	42.3	42.8	43.4
GE 18000			28.3	31.3	34.9	35.9	36.3	38.5	39.1	39.1	41.3	41.3	41.7	42.0	42.5	43.0	43.7
GE 16000			28.3	31.3	34.9	35.9	36.3	38.5	39.1	39.1	41.3	41.3	41.7	42.0	42.5	43.0	43.7
GE 14000			28.3	31.3	35.2	36.1	36.6	38.7	39.4	39.4	41.5	41.5	41.9	42.3	42.7	43.2	43.9
GE 12000			28.7	31.7	35.7	36.7	37.1	39.2	39.9	39.9	42.0	42.0	42.5	42.8	43.2	43.8	44.4
GE 10000			30.4	33.4	37.4	38.4	38.8	41.0	41.6	41.6	43.8	43.9	44.3	44.6	45.1	45.7	46.3
GE 9000			30.5	33.8	37.7	38.7	39.1	41.3	41.9	41.9	44.1	44.2	44.6	44.9	45.4	46.0	46.7
GE 8000			33.0	36.2	40.4	41.4	41.8	44.0	44.7	44.7	46.9	47.0	47.4	47.7	48.2	48.8	49.5
GE 7000			33.8	37.0	41.2	42.2	42.6	44.7	45.5	45.5	47.6	47.7	48.2	48.5	48.9	49.6	50.2
GE 6000			34.1	37.3	41.5	42.5	42.9	45.1	45.8	45.8	48.1	48.2	48.6	48.9	49.4	50.0	50.6
GE 5000			37.0	40.2	44.5	45.5	45.9	48.3	49.0	49.0	51.4	51.5	51.9	52.3	52.7	53.3	54.0
GE 4500			43.3	47.3	52.6	53.8	54.2	56.6	57.3	57.3	59.7	59.8	60.2	60.5	61.0	61.6	62.3
GE 4000			47.5	51.7	57.4	59.8	59.4	61.7	62.7	62.7	65.1	65.2	65.6	65.9	66.3	67.0	67.6
GE 3500			49.7	54.2	60.4	62.3	62.8	65.2	66.1	66.1	68.6	68.7	69.1	69.5	69.9	70.5	71.2
GE 3000			53.8	58.7	65.2	67.3	67.8	70.4	71.5	71.6	74.1	74.2	74.6	74.9	75.4	76.0	76.8
GE 2500			55.6	61.0	67.7	70.6	71.2	73.8	74.8	74.9	77.5	77.6	78.1	78.4	78.8	79.5	80.2
GE 2000			58.8	64.5	72.2	75.4	75.9	78.6	79.7	79.8	82.4	82.5	82.9	83.2	83.7	84.3	85.1
GE 1800			59.4	65.1	72.8	76.0	76.6	79.2	80.3	80.4	83.1	83.2	83.7	84.0	84.4	85.1	85.8
GE 1500			60.3	66.2	75.5	78.8	79.4	82.4	83.7	83.8	86.5	86.6	87.0	87.3	87.7	88.4	89.1
GE 1200			61.5	67.4	77.5	80.9	81.4	84.4	85.7	85.9	88.6	88.7	89.1	89.5	89.9	90.5	91.3
GE 1000			61.8	67.7	78.1	81.7	82.3	85.6	87.0	87.4	90.4	90.5	91.0	91.3	91.7	92.4	93.1
GE 900			61.8	68.0	78.6	82.3	82.9	86.2	87.7	88.2	91.5	91.6	92.0	92.4	92.8	93.4	94.2
GE 800			61.9	68.3	78.9	82.7	83.3	86.9	88.5	88.9	92.5	92.6	93.0	93.3	93.8	94.4	95.2
GE 700			61.9	68.3	78.9	82.7	83.3	87.2	89.0	89.5	93.0	93.1	93.5	93.9	94.3	94.9	95.7
GE 600			61.9	68.3	78.9	82.8	83.4	87.3	89.4	90.0	93.8	93.9	94.3	94.6	95.1	95.7	96.5
GE 500			61.9	68.3	78.9	82.8	83.4	87.3	89.4	90.0	94.0	94.1	94.5	94.8	95.3	95.9	96.7
GE 400			61.9	68.3	78.9	82.8	83.4	87.3	89.5	90.1	94.8	94.9	95.4	95.7	96.1	96.9	97.6
GE 300			61.9	68.3	78.9	82.8	83.4	87.3	89.5	90.5	95.4	95.5	96.2	96.7	97.2	98.0	98.9
GE 200			61.9	68.3	78.9	82.8	83.4	87.3	89.5	90.6	95.6	95.8	96.6	97.0	97.5	98.4	99.8
GE 100			61.9	68.3	78.9	82.8	83.4	87.3	89.5	90.6	95.6	95.8	96.6	97.0	97.5	98.4	99.8
GE 0			61.9	68.3	78.9	82.8	83.4	87.3	89.5	90.6	95.6	95.8	96.6	97.0	97.5	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: OCT HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 90	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	16.0	17.5	20.0	21.2	21.4	22.2	22.7	22.9	24.3	24.4	24.6	25.1	25.6	26.8	27.6	
GE 20000	19.4	21.2	24.1	25.4	25.6	26.8	27.4	27.7	29.3	29.5	29.7	30.2	30.8	32.0	32.9	
GE 18000	19.5	21.3	24.2	25.5	25.7	26.9	27.4	27.8	29.4	29.6	29.8	30.3	30.9	32.1	33.0	
GE 16000	19.5	21.3	24.3	25.6	25.8	26.9	27.5	27.8	29.5	29.6	29.9	30.3	31.0	32.2	33.0	
GE 14000	19.5	21.4	24.3	25.6	25.8	27.0	27.5	27.9	29.5	29.7	29.9	30.4	31.0	32.3	33.1	
GE 12000	20.0	21.9	24.8	26.2	26.4	27.5	28.1	28.4	30.1	30.2	30.5	30.9	31.5	32.8	33.7	
GE 10000	21.3	23.1	26.2	27.6	27.8	28.9	29.5	29.9	31.5	31.7	32.0	32.4	33.1	34.3	35.2	
GE 9000	21.8	23.7	27.0	28.4	28.6	29.8	30.5	30.8	32.5	32.7	32.9	33.4	34.1	35.3	36.2	
GE 8000	23.6	25.6	29.2	30.6	30.8	32.1	32.8	33.1	34.9	35.0	35.3	35.8	36.4	37.7	38.6	
GE 7000	24.0	26.1	29.7	31.1	31.4	32.7	33.4	33.7	35.5	35.6	35.9	36.4	37.0	38.3	39.2	
GE 6000	24.4	26.5	30.1	31.5	31.8	33.1	33.8	34.1	36.0	36.1	36.4	36.9	37.6	38.8	39.7	
GE 5000	26.4	28.6	32.5	34.1	34.4	35.8	36.6	37.0	39.1	39.3	39.6	40.1	40.8	42.1	42.9	
GE 4500	31.0	33.8	38.3	40.1	40.4	41.8	42.6	43.0	45.2	45.4	45.7	46.2	46.9	48.2	49.1	
GE 4000	35.4	38.4	43.4	45.4	45.8	47.3	48.2	48.6	51.0	51.2	51.5	52.0	52.7	54.0	54.9	
GE 3500	38.0	41.6	46.9	49.3	49.7	51.3	52.2	52.6	55.0	55.2	55.5	56.0	56.8	58.1	58.9	
GE 3000	43.6	47.7	53.7	56.4	56.9	58.6	59.7	60.3	63.0	63.3	63.6	64.2	65.0	66.3	67.2	
GE 2500	46.3	50.5	57.1	59.9	60.4	62.2	63.4	63.9	66.6	66.9	67.3	67.9	68.6	70.0	70.9	
GE 2000	49.3	53.8	61.0	64.1	64.6	66.5	67.8	68.4	71.1	71.4	71.8	72.4	73.2	74.5	75.4	
GE 1800	50.0	54.5	61.9	65.1	65.6	67.5	68.8	69.5	72.2	72.5	72.9	73.5	74.3	75.6	76.5	
GE 1500	52.7	57.6	65.9	69.5	70.1	72.2	73.7	74.4	77.3	77.7	78.0	78.6	79.4	80.7	81.6	
GE 1200	53.9	59.0	68.2	72.2	72.8	75.1	76.8	77.6	80.6	81.0	81.3	81.9	82.7	84.0	84.9	
GE 1000	54.6	60.0	69.7	74.1	74.8	77.4	79.2	80.0	83.3	83.7	84.0	84.6	85.4	86.8	87.7	
GE 900	54.9	60.3	70.3	75.0	75.7	78.3	80.4	81.2	84.7	85.1	85.4	86.0	86.8	88.1	89.0	
GE 800	55.1	60.6	70.6	75.7	76.3	79.1	81.3	82.2	85.8	86.2	86.6	87.1	87.9	89.3	90.2	
GE 700	55.3	60.7	71.0	76.1	76.8	79.4	82.3	83.1	86.9	87.3	87.7	88.3	89.1	90.4	91.3	
GE 600	55.3	60.7	71.2	76.4	77.1	80.5	83.1	84.1	88.2	88.6	89.1	89.7	90.5	91.8	92.7	
GE 500	55.3	60.7	71.2	76.5	77.2	80.7	83.4	84.5	89.0	89.4	89.9	90.6	91.4	92.8	93.7	
GE 400	55.3	60.7	71.2	76.6	77.3	80.9	83.7	84.9	89.9	90.4	91.0	91.6	92.4	93.9	94.9	
GE 300	55.3	60.7	71.2	76.6	77.3	81.0	83.9	85.2	90.5	91.2	91.9	92.6	93.5	95.0	96.4	
GE 200	55.3	60.7	71.2	76.6	77.3	81.0	83.9	85.3	90.8	91.5	92.3	93.0	94.2	96.0	96.2	
GE 100	55.3	60.7	71.2	76.6	77.3	81.0	83.9	85.3	90.8	91.5	92.3	93.1	94.3	96.5	99.6	
GE 0	55.3	60.7	71.2	76.6	77.3	81.0	83.9	85.3	90.9	91.5	92.3	93.1	94.4	96.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: NOV HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE U
NO CEIL		17.2	19.0	20.4	21.7	21.9	22.8	23.0	23.3	24.0	24.0	24.4	24.7	25.4	26.1	27.3
GE 20000		16.8	20.8	22.2	23.6	23.8	24.7	24.9	25.2	25.9	25.9	26.4	26.7	27.6	28.2	29.8
GE 18000		18.8	20.8	22.2	23.6	23.8	24.7	24.9	25.2	25.9	25.9	26.4	26.7	27.6	28.2	29.8
GE 16000		18.8	20.8	22.2	23.6	23.8	24.7	24.9	25.2	25.9	25.9	26.4	26.7	27.6	28.2	29.8
GE 14000		19.1	21.1	22.6	23.9	24.1	25.0	25.2	25.6	26.2	26.2	26.8	27.0	27.9	28.6	30.1
GE 12000		19.3	21.3	22.8	24.1	24.3	25.2	25.4	25.8	26.4	26.4	27.0	27.2	28.2	28.9	30.4
GE 10000		20.0	22.0	23.6	25.0	25.2	26.1	26.3	26.7	27.3	27.3	27.9	28.1	29.1	29.8	31.3
GE 9000		20.2	22.2	23.9	25.3	25.6	26.4	26.8	27.1	27.8	27.8	28.3	28.6	29.6	30.2	31.8
GE 8000		21.8	23.8	25.7	27.1	27.7	28.7	29.0	29.3	30.0	30.0	30.6	30.8	32.0	32.8	34.3
GE 7000		22.3	24.6	26.4	27.9	28.4	29.4	29.8	30.1	30.8	30.8	31.3	31.6	32.8	33.6	35.1
GE 6000		23.2	25.4	27.3	28.8	29.3	30.3	30.7	31.0	31.7	31.7	32.2	32.4	33.7	34.4	36.0
GE 5000		24.7	26.9	29.1	30.8	31.3	32.3	33.0	33.3	34.0	34.0	34.6	34.8	36.0	36.8	38.3
GE 4500		29.1	31.4	33.9	35.6	36.1	37.1	37.8	38.1	38.9	38.9	39.4	39.7	40.9	41.7	43.2
GE 4000		34.1	36.7	39.3	41.3	41.9	42.9	43.6	43.9	44.8	44.8	45.3	45.6	46.8	47.6	49.1
GE 3500		37.6	40.1	42.9	45.1	45.7	47.0	47.8	48.1	49.0	49.0	49.6	49.8	51.0	51.8	53.3
GE 3000		42.1	44.8	48.4	51.1	51.7	53.2	54.1	54.6	55.4	55.4	56.0	56.2	57.4	59.2	59.8
GE 2500		45.1	48.0	51.8	54.8	55.3	57.0	57.9	58.3	59.2	59.2	59.8	60.0	61.2	62.0	63.6
GE 2000		48.9	52.1	56.6	59.6	60.2	62.1	63.0	63.6	64.4	64.4	65.0	65.2	66.4	67.2	68.8
GE 1800		49.8	53.1	57.6	60.7	61.3	63.3	64.2	64.8	65.7	65.7	66.2	66.4	67.7	68.6	70.1
GE 1500		52.7	56.6	62.2	65.6	66.2	68.7	69.9	70.4	71.4	71.4	72.1	72.3	73.6	74.4	76.0
GE 1200		53.8	58.1	64.6	68.0	68.7	71.1	72.3	72.9	73.9	73.9	74.6	74.8	76.0	76.9	78.4
GE 1000		54.7	60.1	67.9	71.4	72.3	75.0	76.3	76.9	77.9	77.9	78.6	78.8	80.0	80.9	82.4
GE 900		55.8	61.2	69.1	72.7	73.6	76.2	77.6	78.2	79.2	79.2	79.9	80.1	81.3	82.3	83.9
GE 800		55.8	61.6	69.6	73.4	74.4	77.4	78.8	79.4	80.8	80.8	81.4	81.7	82.9	84.0	85.6
GE 700		56.0	61.8	70.0	74.0	75.0	78.3	79.9	80.7	82.0	82.0	82.7	82.9	84.1	85.2	86.8
GE 600		56.0	61.6	70.0	74.0	75.3	78.7	80.6	81.9	83.2	83.6	84.2	84.4	85.7	86.8	88.3
GE 500		56.0	61.8	70.0	74.0	75.4	79.1	81.7	83.1	85.0	85.3	86.0	86.3	87.9	89.0	90.6
GE 400		56.0	61.8	70.0	74.1	75.6	80.0	83.6	85.0	87.3	87.8	89.6	89.9	90.4	91.6	93.1
GE 300		56.1	61.9	70.1	74.2	75.7	80.2	84.0	85.7	88.7	89.3	90.1	90.6	92.2	93.7	95.2
GE 200		56.1	61.9	70.1	74.2	75.7	80.2	84.3	86.0	89.4	90.4	91.3	91.9	93.9	95.7	97.6
GE 100		56.1	61.9	70.1	74.2	75.7	80.2	84.3	86.0	89.4	90.4	91.3	91.9	94.2	96.4	99.9
GE 0		56.1	61.9	70.1	74.2	75.7	80.2	84.3	86.0	89.4	90.4	91.3	91.9	94.3	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: NOV HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	ST 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		16.0	16.7	18.0	18.7	19.0	20.0	20.6	21.0	22.2	22.4	22.8	23.0	23.5	24.1	24.4
GE 20000		16.9	17.9	19.2	19.9	20.2	21.2	21.8	22.2	23.9	24.0	24.5	24.7	25.1	25.9	27.1
GE 18000		16.9	17.9	19.2	19.9	20.2	21.2	21.8	22.2	23.9	24.0	24.5	24.7	25.1	25.9	27.1
GE 16000		16.9	17.9	19.2	19.9	20.2	21.2	21.8	22.2	23.9	24.0	24.5	24.7	25.1	25.9	27.1
GE 14000		16.9	17.9	19.2	19.9	20.2	21.2	21.8	22.2	23.9	24.0	24.5	24.7	25.1	25.9	27.1
GE 12000		16.9	17.9	19.2	19.9	20.2	21.2	21.8	22.2	23.9	24.0	24.5	24.7	25.1	25.9	27.1
GE 10000		17.5	18.5	19.8	20.5	20.8	21.8	22.4	22.8	24.5	24.6	25.0	25.3	25.7	26.5	27.7
GE 9000		17.6	18.6	19.9	20.6	20.9	21.9	22.5	22.9	24.6	24.7	25.1	25.4	25.8	26.6	27.8
GE 8000		20.0	21.0	22.6	23.2	23.6	25.0	25.6	26.0	27.7	27.8	28.3	28.5	29.1	29.9	31.1
GE 7000		20.2	21.2	23.0	23.7	24.0	25.5	26.0	26.7	28.4	28.5	28.9	29.1	29.8	30.6	31.8
GE 6000		20.8	21.9	23.7	24.4	24.7	26.1	26.7	27.4	29.0	29.1	29.6	29.8	30.5	31.3	32.5
GE 5000		21.7	23.0	25.1	25.9	26.3	27.7	28.3	28.9	30.9	31.0	31.5	31.7	32.4	33.1	34.4
GE 4500		25.6	26.9	29.0	29.8	30.4	31.8	32.4	33.0	35.0	35.2	35.6	35.8	36.5	37.3	38.5
GE 4000		29.9	31.4	33.8	34.9	35.5	37.0	37.6	38.3	40.4	40.5	40.9	41.2	41.9	42.7	43.9
GE 3500		33.1	34.6	37.5	38.6	39.2	41.0	41.6	42.3	44.4	44.5	44.9	45.2	45.9	46.7	47.9
GE 3000		37.4	39.0	42.7	44.0	44.6	46.8	47.5	48.3	50.4	50.5	50.9	51.2	51.9	52.7	53.9
GE 2500		39.2	40.6	44.8	46.4	46.9	49.3	49.9	50.7	52.8	52.9	53.4	53.6	54.4	55.2	56.4
GE 2000		44.0	46.5	50.9	52.8	53.5	56.3	57.0	57.7	59.8	60.0	60.4	60.6	61.4	62.2	63.4
GE 1800		45.2	47.6	52.2	54.2	54.8	58.0	58.6	59.4	61.5	61.6	62.1	62.3	63.1	63.8	65.1
GE 1500		48.6	51.6	56.6	59.1	60.1	63.7	64.5	65.4	67.6	67.7	68.2	68.4	69.2	70.1	71.3
GE 1200		49.8	53.4	59.7	62.2	63.2	67.0	67.7	68.6	70.9	71.0	71.4	71.6	72.4	73.3	74.5
GE 1000		51.2	55.7	63.1	65.7	66.7	70.6	71.7	72.9	75.3	75.4	75.9	76.1	76.9	77.8	79.0
GE 900		52.3	57.0	64.4	67.1	68.1	72.0	73.1	74.2	76.6	76.8	77.2	77.4	78.2	79.1	80.3
GE 800		52.3	57.3	65.1	67.7	68.7	73.0	74.1	75.2	78.1	78.2	78.6	78.9	79.6	80.9	82.1
GE 700		52.4	57.4	65.5	68.3	69.3	74.0	75.3	76.4	79.6	79.9	80.3	80.5	81.3	82.5	83.8
GE 600		52.5	57.5	65.6	68.5	69.7	74.6	76.5	77.9	81.2	81.8	82.2	82.4	83.2	84.5	85.8
GE 500		52.5	57.5	65.6	68.6	69.9	75.1	78.1	79.5	84.0	84.5	85.0	85.2	86.3	87.7	88.9
GE 400		52.5	57.5	65.6	69.0	70.2	76.1	79.6	81.2	85.8	86.4	86.9	87.1	88.2	89.5	90.8
GE 300		52.6	57.6	65.7	69.1	70.3	76.2	80.1	81.9	87.1	87.1	87.7	88.0	89.4	92.1	93.4
GE 200		52.6	57.6	65.7	69.1	70.3	76.2	80.3	82.3	87.8	88.8	89.7	90.3	92.1	95.1	96.8
GE 100		52.6	57.6	65.7	69.1	70.3	76.2	80.3	82.3	87.9	88.9	89.8	90.4	92.3	96.2	99.7
GE 0		52.6	57.6	65.7	69.1	70.3	76.2	80.3	82.3	88.0	89.0	89.9	90.5	92.5	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: NOV HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE J
NO CEIL		12.9	13.8	14.6	14.8	14.8	15.4	15.8	16.2	16.9	17.1	17.4	17.4	17.4	18.2	18.9
GE 20000		13.9	15.1	16.0	16.3	16.3	17.0	17.4	17.9	18.7	18.9	19.2	19.2	19.2	20.0	21.3
GE 18000		13.9	15.1	16.0	16.3	16.3	17.0	17.4	17.9	18.7	19.9	19.2	19.2	19.2	20.0	21.3
GE 16000		13.9	15.1	16.0	16.3	16.3	17.0	17.4	17.9	18.7	18.9	19.2	19.2	19.2	20.0	21.3
GE 14000		14.1	15.3	16.2	16.6	16.6	17.2	17.7	18.1	18.9	19.1	19.4	19.4	19.4	20.2	21.6
GE 12000		14.1	15.3	16.2	16.6	16.6	17.2	17.7	18.1	18.9	19.1	19.4	19.4	19.4	20.2	21.6
GE 10000		14.9	16.1	17.0	17.3	17.3	18.0	18.4	18.9	19.7	19.9	20.2	20.2	20.2	21.0	22.3
GE 9000		15.6	16.8	17.7	18.0	18.0	18.7	19.1	19.6	20.3	20.6	20.9	20.9	20.9	21.7	23.0
GE 8000		16.7	17.9	18.8	19.1	19.1	20.0	20.4	21.0	21.9	22.1	22.4	22.4	22.4	23.2	24.6
GE 7000		16.9	18.1	19.1	19.4	19.4	20.3	20.8	21.3	22.2	22.4	22.8	22.9	22.9	23.7	25.0
GE 6000		17.1	18.4	19.4	19.8	19.8	20.7	21.1	21.7	22.6	22.8	23.1	23.2	23.2	24.0	25.3
GE 5000		18.6	20.3	21.8	22.3	22.4	23.4	23.9	24.4	25.7	25.9	26.3	26.4	26.4	27.2	28.6
GE 4500		21.7	23.4	24.9	25.4	26.1	27.2	27.7	28.2	29.4	29.7	30.1	30.3	30.3	31.1	32.4
GE 4000		26.0	27.9	29.3	30.2	31.0	32.3	32.9	33.4	34.7	35.1	35.6	35.9	35.9	36.7	38.0
GE 3500		29.3	31.3	32.9	34.0	34.8	36.2	36.8	37.3	38.6	39.0	39.4	39.8	39.8	40.6	41.9
GE 3000		33.9	36.6	38.8	39.9	40.8	42.6	43.3	43.9	45.1	45.6	46.1	46.4	46.4	47.2	48.6
GE 2500		35.9	38.6	41.0	42.3	43.3	45.1	46.2	47.1	48.3	48.8	49.3	49.7	49.7	50.4	51.8
GE 2000		39.6	42.6	45.1	46.8	47.8	49.7	50.9	51.8	53.0	53.4	54.0	54.4	54.4	55.2	56.6
GE 1800		40.3	43.4	46.1	47.9	48.9	50.8	52.1	53.0	54.2	54.7	55.3	55.8	55.8	56.6	57.9
GE 1500		44.4	48.1	52.1	54.1	55.4	58.1	59.4	60.3	61.9	62.3	63.1	63.6	63.7	64.4	65.8
GE 1200		47.1	50.8	56.3	58.7	60.0	63.0	64.7	65.6	67.1	67.6	68.3	68.8	68.9	69.7	71.0
GE 1000		48.4	52.9	59.3	61.8	63.2	66.6	68.4	69.3	70.9	71.3	72.1	72.7	72.8	73.6	74.9
GE 900		49.4	54.0	61.1	63.8	65.2	68.7	70.6	71.4	73.1	73.6	74.3	74.7	75.0	75.8	77.1
GE 800		49.8	54.3	62.4	65.1	66.6	70.2	72.2	73.1	75.3	75.9	76.8	77.4	77.6	78.4	79.8
GE 700		50.1	54.9	63.6	66.2	67.8	72.2	74.2	75.1	77.6	78.1	79.0	79.8	80.0	80.9	82.2
GE 600		50.4	55.2	64.1	66.8	68.3	73.1	75.2	76.6	79.3	79.9	80.8	81.7	81.9	82.8	84.1
GE 500		50.4	55.2	64.1	66.9	68.4	73.9	76.8	78.1	81.4	82.2	83.2	84.1	84.8	85.7	87.0
GE 400		50.4	55.2	64.1	67.0	68.6	74.2	77.9	79.4	83.7	84.7	85.7	86.6	87.2	88.1	89.7
GE 300		50.4	55.2	64.1	67.0	68.6	74.2	78.3	80.0	85.1	86.2	87.2	88.1	89.1	90.3	92.8
GE 200		50.4	55.2	64.1	67.0	68.6	74.2	78.4	80.1	85.9	87.4	89.0	90.1	91.3	93.9	97.1
GE 100		50.4	55.2	64.1	67.0	68.6	74.2	78.4	80.2	86.3	87.9	89.4	90.6	91.9	95.2	99.7
GE 0		50.4	55.2	64.1	67.0	68.6	74.2	78.4	80.2	86.3	87.9	89.4	90.8	92.2	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: NOV HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 30	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		9.7	10.4	11.3	11.6	11.9	12.6	13.1	13.2	14.1	14.1	14.2	14.3	14.9	15.3
GE 20000		12.4	13.3	14.2	14.6	14.9	15.7	16.6	16.8	17.9	17.9	18.0	18.1	18.7	19.2
GE 18000		12.4	13.3	14.2	14.7	15.0	15.8	16.7	16.9	18.0	18.0	18.1	18.2	18.8	19.3
GE 16000		12.4	13.3	14.3	14.8	15.1	15.9	16.8	17.0	18.1	18.1	18.2	18.3	18.9	19.4
GE 14000		12.8	13.7	14.7	15.1	15.4	16.2	17.1	17.3	18.4	18.4	18.6	18.7	19.2	19.8
GE 12000		13.3	14.2	15.2	15.7	16.0	16.8	17.7	17.9	19.0	19.0	19.1	19.2	19.8	20.3
GE 10000		13.9	14.9	15.9	16.3	16.7	17.4	18.3	18.6	19.7	19.7	19.8	19.9	20.4	21.0
GE 9000		14.6	15.6	16.6	17.0	17.3	18.1	19.0	19.2	20.3	20.3	20.4	20.6	21.1	21.7
GE 8000		16.6	17.7	18.8	19.3	19.7	20.4	21.6	21.8	23.0	23.0	23.1	23.2	23.8	24.3
GE 7000		17.0	18.1	19.2	19.8	20.1	20.9	22.1	22.3	23.6	23.6	23.7	23.8	24.3	25.0
GE 6000		17.1	18.2	19.3	20.1	20.4	21.2	22.4	22.7	23.9	23.9	24.0	24.1	24.7	25.3
GE 5000		19.1	20.6	21.9	23.1	23.6	24.3	25.9	26.1	27.3	27.3	27.4	27.6	28.1	28.8
GE 4500		21.7	23.3	25.1	26.6	27.0	27.9	29.7	30.0	31.2	31.3	31.4	31.6	32.1	32.8
GE 4000		24.8	26.7	28.6	30.1	30.6	31.7	33.8	34.2	35.6	35.7	35.8	35.9	36.4	37.1
GE 3500		28.0	30.4	32.8	34.3	34.9	36.2	38.4	39.0	40.4	40.6	40.7	40.8	41.4	42.1
GE 3000		31.4	34.1	37.1	39.0	39.8	41.6	44.0	44.6	46.3	46.4	46.6	46.7	47.4	48.1
GE 2500		32.9	35.8	39.0	40.9	41.8	43.7	46.1	46.8	48.7	48.8	48.9	49.0	49.8	50.4
GE 2000		35.4	38.8	42.6	44.7	45.6	47.8	50.3	51.0	53.0	53.1	53.2	53.3	54.1	54.8
GE 1800		36.7	40.0	44.0	46.1	47.1	49.3	52.0	52.8	54.8	54.9	55.0	55.1	55.9	56.6
GE 1500		41.1	45.7	52.1	54.8	56.1	58.9	62.0	62.8	65.0	65.1	65.3	65.4	66.2	66.9
GE 1200		43.0	48.9	56.7	59.7	61.1	64.0	67.2	68.0	70.3	70.4	70.7	70.8	71.6	72.2
GE 1000		44.3	50.7	60.2	63.7	65.2	68.3	71.7	72.6	74.9	75.3	75.6	75.8	76.7	77.4
GE 900		45.0	51.3	61.0	64.4	66.0	69.2	72.6	73.4	76.0	76.4	76.7	76.9	77.8	78.6
GE 800		45.3	52.1	62.1	65.9	67.4	71.0	74.3	75.4	78.2	78.7	79.0	79.2	80.2	81.1
GE 700		45.9	52.7	63.3	67.3	68.9	72.8	76.1	77.4	80.3	80.8	81.1	81.4	82.4	83.4
GE 600		45.9	52.7	63.6	67.6	69.1	73.3	76.7	78.3	81.3	81.9	82.2	82.7	83.7	84.9
GE 500		45.9	52.7	63.7	67.7	69.2	74.0	77.4	79.3	82.7	83.4	83.8	84.3	85.6	86.8
GE 400		45.9	52.7	63.7	67.7	69.2	74.1	78.0	80.2	84.0	85.0	85.4	86.2	87.4	88.9
GE 300		45.9	52.7	63.7	67.7	69.2	74.1	78.2	80.7	85.0	86.1	86.8	87.7	89.0	91.2
GE 200		45.9	52.7	63.7	67.7	69.2	74.1	78.2	81.1	85.7	87.2	88.3	89.2	91.2	94.2
GE 100		45.9	52.7	63.7	67.7	69.2	74.1	78.2	81.1	85.7	87.2	88.4	89.4	91.6	95.0
GE 0		45.9	52.7	63.7	67.7	69.2	74.1	78.2	81.1	85.7	87.2	88.4	89.4	91.6	95.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: NOV HOURS(LST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	J	
NO CEIL		12.4	13.1	15.3	16.7	16.8	17.1	17.1	17.3	17.6	17.7	17.7	17.7	17.8	17.9	17.9	
GE 20000		15.3	16.3	18.7	20.2	20.3	20.7	20.7	21.0	21.2	21.4	21.4	21.4	21.6	21.7	21.7	
GE 18000		15.6	16.6	19.0	20.6	20.7	21.0	21.0	21.3	21.6	21.8	21.8	21.8	21.9	22.0	22.0	
GE 16000		15.7	16.7	19.1	20.8	20.9	21.2	21.2	21.6	21.8	22.0	22.0	22.0	22.1	22.2	22.2	
GE 14000		15.8	16.6	19.2	20.9	21.0	21.3	21.3	21.7	21.9	22.1	22.1	22.1	22.2	22.3	22.3	
GE 12000		16.2	17.2	19.7	21.3	21.4	21.8	21.8	22.1	22.3	22.6	22.6	22.6	22.7	22.8	22.8	
GE 10000		17.4	18.4	21.0	22.7	22.8	23.2	23.2	23.6	23.8	24.0	24.0	24.0	24.1	24.2	24.2	
GE 9000		17.8	18.8	21.3	23.0	23.1	23.6	23.6	23.9	24.1	24.3	24.3	24.3	24.4	24.6	24.6	
GE 8000		20.1	21.3	24.0	25.7	25.8	26.2	26.2	26.6	26.8	27.0	27.0	27.0	27.1	27.2	27.2	
GE 7000		20.9	22.3	25.2	27.2	27.3	27.8	27.8	28.1	28.3	28.6	28.6	28.6	28.7	28.8	28.8	
GE 6000		21.6	23.0	26.0	28.0	28.1	28.6	28.6	28.9	29.1	29.3	29.3	29.3	29.4	29.6	29.6	
GE 5000		23.1	24.8	27.9	30.0	30.2	30.9	31.1	31.4	31.7	31.9	31.9	31.9	32.0	32.1	32.1	
GE 4500		25.1	27.0	30.4	33.0	33.2	33.9	34.3	34.7	34.9	35.1	35.1	35.1	35.3	35.7	35.7	
GE 4000		28.6	30.4	34.0	36.8	37.1	37.9	38.3	38.7	39.0	39.2	39.2	39.2	39.4	39.8	39.8	
GE 3500		33.2	35.2	39.0	42.1	42.6	43.3	43.8	44.1	44.4	44.7	44.8	44.8	45.0	45.3	45.3	
GE 3000		39.9	42.2	47.3	50.8	51.6	52.4	53.3	53.9	54.3	54.6	54.7	54.7	54.9	55.2	55.2	
GE 2500		42.0	44.3	49.8	53.7	54.6	55.4	56.3	57.2	57.7	57.9	58.0	58.0	58.2	58.6	58.6	
GE 2000		45.9	48.4	54.2	58.3	59.2	60.3	61.4	62.4	62.9	63.1	63.2	63.2	63.4	63.8	63.8	
GE 1800		47.1	49.8	55.8	59.9	60.8	61.9	63.0	64.0	64.4	64.7	64.8	64.8	65.0	65.3	65.3	
GE 1500		51.7	55.6	63.0	67.8	68.7	70.0	71.6	72.7	73.6	73.8	73.9	73.9	74.1	74.4	74.4	
GE 1200		53.1	57.4	66.6	71.4	72.3	73.9	75.4	76.6	77.7	77.9	78.0	78.0	78.2	78.6	78.6	
GE 1000		54.4	59.2	69.6	75.4	76.6	78.4	80.2	81.4	82.6	82.8	82.9	82.9	83.1	83.4	83.4	
GE 900		54.7	59.4	69.9	76.3	77.4	79.4	81.2	82.4	83.8	84.0	84.1	84.1	84.3	84.7	84.7	
GE 800		55.3	60.1	70.9	77.7	78.8	80.8	82.7	84.2	85.9	85.2	86.3	86.3	86.6	86.9	86.9	
GE 700		55.6	60.3	71.1	78.1	79.4	82.7	84.9	86.8	88.7	89.0	89.1	89.2	89.4	89.8	89.8	
GE 600		55.6	60.4	71.7	78.9	80.2	83.9	86.1	88.0	90.1	90.4	90.7	90.8	91.0	91.3	91.3	
GE 500		55.6	60.4	72.0	79.7	81.1	84.9	88.4	90.3	92.7	93.0	93.2	93.6	93.8	94.2	94.2	
GE 400		55.6	60.4	72.1	80.0	81.4	85.2	89.0	91.2	94.0	94.4	94.7	95.0	95.2	95.7	95.7	
GE 300		55.6	60.4	72.1	80.0	81.4	85.3	89.2	91.7	95.3	95.8	96.3	97.0	97.2	97.8	98.3	
GE 200		55.6	60.4	72.1	80.0	81.4	85.3	89.2	91.7	95.4	95.9	96.9	97.7	97.9	98.4	99.6	
GE 100		55.6	60.4	72.1	80.0	81.4	85.3	89.2	91.7	95.4	95.9	97.0	97.9	98.2	98.8	100.0	
GE 0		55.6	60.4	72.1	80.0	81.4	85.3	89.2	91.7	95.4	95.9	97.0	97.9	98.2	98.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: NOV HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3	
NO CEIL		19.1	20.1	22.4	22.9	22.9	23.1	23.2	23.2	23.6	23.6	23.7	23.7	23.7	23.7	23.7	
GE 20000		22.4	23.7	26.4	27.1	27.1	27.3	27.4	27.4	27.9	27.9	28.0	28.0	28.0	28.0	28.0	
GE 18000		23.0	24.2	27.0	27.7	27.7	27.9	28.0	28.0	28.4	28.4	28.6	28.6	28.6	28.6	28.6	
GE 16000		23.1	24.3	27.1	27.8	27.8	28.0	28.1	28.1	28.6	28.6	28.7	28.7	28.7	28.7	28.7	
GE 14000		23.9	25.1	27.9	28.6	28.6	28.8	28.9	28.9	29.3	29.3	29.4	29.4	29.4	29.4	29.4	
GE 12000		24.7	25.9	28.7	29.3	29.3	29.6	29.7	29.7	30.1	30.1	30.2	30.2	30.2	30.2	30.2	
GE 10000		25.3	26.6	29.3	30.0	30.0	30.2	30.3	30.3	30.9	30.9	31.0	31.0	31.0	31.0	31.0	
GE 9000		25.9	27.1	29.9	30.6	30.6	30.8	30.9	30.9	31.4	31.4	31.6	31.6	31.6	31.6	31.6	
GE 8000		27.6	28.8	31.6	32.3	32.3	32.6	32.7	32.7	33.2	33.2	33.3	33.3	33.3	33.3	33.3	
GE 7000		28.6	29.9	32.7	33.6	33.6	34.0	34.1	34.1	34.7	34.7	34.8	34.8	34.8	34.8	34.8	
GE 6000		29.6	31.0	34.1	35.0	35.0	35.4	35.6	35.6	36.1	36.1	36.2	36.2	36.2	36.2	36.2	
GE 5000		31.0	32.6	35.7	36.6	36.6	37.0	37.1	37.1	37.7	37.7	37.8	37.8	37.8	37.8	37.8	
GE 4500		34.0	35.6	38.8	39.8	39.8	40.3	40.4	40.4	41.0	41.0	41.1	41.1	41.1	41.1	41.1	
GE 4000		38.8	40.3	43.7	44.7	44.7	45.2	45.3	45.3	46.0	46.0	46.1	46.1	46.1	46.1	46.1	
GE 3500		43.0	44.7	48.1	49.1	49.1	49.7	49.8	49.8	50.4	50.4	50.6	50.6	50.6	50.6	50.6	
GE 3000		52.9	55.2	60.0	61.2	61.2	61.9	62.0	62.2	62.9	62.9	63.0	63.0	63.0	63.0	63.0	
GE 2500		55.6	57.9	62.9	64.1	64.1	64.9	65.0	65.2	65.9	65.9	66.0	66.0	66.0	66.0	66.0	
GE 2000		60.4	63.1	68.8	70.0	70.0	70.8	70.9	71.3	72.0	72.0	72.1	72.1	72.1	72.1	72.1	
GE 1800		62.3	65.6	71.3	72.6	72.6	73.4	73.6	74.0	74.7	74.7	74.8	74.8	74.8	74.8	74.8	
GE 1500		66.2	70.1	76.2	78.0	78.1	79.1	79.2	79.7	80.4	80.4	80.7	80.7	80.7	80.7	80.7	
GE 1200		67.0	71.3	79.0	80.9	81.1	82.4	82.6	83.0	83.8	83.8	84.0	84.0	84.0	84.0	84.0	
GE 1000		67.9	72.9	81.8	84.2	84.4	86.1	86.2	86.7	87.4	87.4	87.7	87.7	87.7	87.7	87.7	
GE 900		68.2	73.2	82.4	85.6	85.9	87.7	87.9	88.3	89.2	89.2	89.4	89.4	89.4	89.4	89.4	
GE 800		68.6	73.7	83.0	86.4	86.8	88.6	89.0	89.8	91.3	91.3	91.6	91.6	91.6	91.6	91.6	
GE 700		68.6	73.7	83.7	87.3	87.8	90.6	91.2	92.2	94.2	94.2	94.4	94.4	94.6	94.6	94.6	
GE 600		68.6	73.7	83.9	87.7	88.3	91.3	92.1	93.4	95.8	95.8	96.4	96.4	96.6	96.6	96.6	
GE 500		68.6	73.7	84.2	88.0	88.7	91.7	92.6	94.0	96.4	96.4	97.1	97.1	97.2	97.2	97.2	
GE 400		68.6	73.7	84.3	88.1	88.8	91.8	92.7	94.6	97.4	97.4	98.1	98.1	98.2	98.2	98.2	
GE 300		68.6	73.7	84.3	88.1	88.8	91.8	92.7	94.7	97.9	97.9	98.0	98.9	99.0	99.0	99.3	
GE 200		68.6	73.7	84.3	88.1	88.8	91.8	92.7	94.7	98.1	98.2	99.2	99.2	99.3	99.3	99.9	
GE 100		68.6	73.7	84.3	88.1	88.8	91.8	92.7	94.7	98.1	98.2	99.2	99.2	99.3	99.3	100.0	
GE 0		68.6	73.7	84.3	88.1	88.8	91.8	92.7	94.7	98.1	98.2	99.2	99.2	99.3	99.3	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-87
MONTH: NOV HOURS(IST): 1400-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 49	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	22.2	24.3	26.1	26.7	26.9	27.6	27.7	27.8	27.9	27.9	28.0	28.2	28.2	28.3	28.6	
GE 20000		25.1	27.4	29.6	30.3	30.6	31.2	31.3	31.4	31.7	31.8	31.9	32.1	32.1	32.2	32.4	
GE 14000		25.4	27.8	29.9	30.7	30.9	31.6	31.7	31.8	32.0	32.1	32.2	32.4	32.4	32.6	32.8	
GE 16000		25.7	29.0	30.1	30.9	31.1	31.8	31.9	32.0	32.2	32.3	32.4	32.7	32.7	32.8	33.0	
GE 14000		26.0	28.3	30.4	31.2	31.4	32.1	32.2	32.3	32.6	32.7	32.8	33.0	33.0	33.1	33.3	
GE 12000		26.7	29.0	31.1	31.9	32.1	32.8	32.9	33.0	33.2	33.3	33.4	33.7	33.7	33.8	34.0	
GE 10000		28.0	30.3	32.4	33.3	33.6	34.2	34.3	34.4	34.7	34.8	34.9	35.1	35.1	35.2	35.4	
GE 9000		28.8	31.1	33.3	34.2	34.4	35.1	35.2	35.3	35.6	35.7	35.8	36.0	36.0	36.1	36.3	
GE 8000		30.0	32.4	35.0	35.9	36.1	36.8	36.9	37.0	37.2	37.3	37.4	37.7	37.7	37.8	38.0	
GE 7000		30.7	33.1	35.9	36.9	37.1	37.8	37.9	38.0	38.2	38.3	38.4	38.7	38.7	38.8	39.0	
GE 6000		31.0	33.4	36.3	37.3	37.6	38.2	38.3	38.4	38.7	38.8	38.9	39.1	39.1	39.2	39.4	
GE 5000		32.0	34.8	38.1	39.1	39.3	40.0	40.1	40.2	40.4	40.6	40.7	40.9	40.9	41.0	41.2	
GE 4500		36.6	39.6	42.9	43.9	44.1	45.0	45.1	45.2	45.4	45.6	45.7	45.9	45.9	46.0	46.2	
GE 4000		40.0	43.2	46.6	47.9	48.1	49.0	49.2	49.3	49.6	49.7	49.8	50.0	50.0	50.1	50.3	
GE 3500		43.9	47.4	51.4	53.1	53.3	54.2	54.4	54.6	54.8	54.9	55.0	55.2	55.2	55.3	55.6	
GE 3000		51.3	55.0	60.8	62.6	62.8	63.8	64.0	64.2	64.7	64.8	64.9	65.1	65.1	65.2	65.4	
GE 2500		55.3	59.1	65.3	67.1	67.3	68.3	68.6	68.9	69.4	69.6	69.7	69.9	69.9	70.0	70.2	
GE 2000		58.8	63.1	69.8	72.0	72.2	73.2	73.4	73.8	74.3	74.4	74.6	74.8	74.8	74.9	75.1	
GE 1800		60.0	64.3	71.0	73.2	73.4	74.4	74.7	75.0	75.6	75.7	75.8	76.0	76.0	76.1	76.3	
GE 1500		62.7	67.3	75.0	77.8	78.0	79.0	79.3	79.7	80.8	80.9	81.0	81.2	81.2	81.3	81.6	
GE 1200		63.0	67.7	76.1	79.3	79.6	80.7	81.0	81.3	82.4	82.6	82.7	82.9	82.9	83.0	83.2	
GE 1000		63.6	68.7	78.7	82.6	82.8	84.2	84.6	84.9	86.0	86.1	86.2	86.4	86.4	86.6	86.8	
GE 900		63.7	68.8	79.3	83.4	83.9	85.3	85.8	86.2	87.3	87.4	87.6	87.8	87.8	87.9	88.1	
GE 800		64.3	69.9	80.7	85.2	85.9	87.6	88.1	88.8	90.0	90.1	90.2	90.4	90.4	90.6	90.8	
GE 700		64.3	69.9	80.8	85.6	86.3	88.7	89.8	90.9	92.4	92.6	92.7	92.9	92.9	93.0	93.2	
GE 600		64.3	69.9	80.9	85.7	86.4	88.8	90.0	91.9	94.7	94.9	95.1	95.3	95.3	95.4	95.7	
GE 500		64.3	69.9	80.9	85.7	86.4	89.1	90.4	92.4	95.3	95.4	95.8	96.0	96.0	96.1	96.3	
GE 400		64.3	69.9	80.9	85.7	86.4	89.1	90.4	92.4	95.7	96.0	96.4	96.7	96.7	97.0	97.2	
GE 300		64.4	70.0	81.0	85.8	86.6	89.2	90.6	92.9	96.9	97.2	98.0	98.2	98.2	98.6	99.1	
GE 200		64.4	70.0	81.0	85.8	86.6	89.2	90.6	92.9	97.1	97.4	98.4	98.7	98.7	99.0	99.8	
GE 100		64.4	70.0	81.0	85.8	86.6	89.2	90.6	92.9	97.1	97.4	98.4	98.7	98.7	99.0	99.9	
GE 0		64.4	70.0	81.0	85.8	86.6	89.2	90.6	92.9	97.1	97.4	98.4	98.7	98.7	99.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: NOV HOURS(LST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 30	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3
NO CEIL	1	20.9	22.6	24.1	25.0	25.3	25.7	26.2	26.2	26.8	26.8	26.9	27.2	27.8	28.3	28.9	
GE 20000		22.6	24.3	26.1	27.0	27.3	27.7	28.2	28.3	28.9	28.9	29.0	29.3	29.9	30.4	31.0	
GE 18000		22.8	24.6	26.3	27.2	27.6	27.9	28.4	28.6	29.1	29.1	29.2	29.6	30.2	30.8	31.3	
GE 16000		22.8	24.6	26.3	27.2	27.6	27.9	28.4	28.6	29.1	29.1	29.2	29.6	30.2	30.8	31.3	
GE 14000		23.1	24.9	26.7	27.6	27.9	28.2	28.8	28.9	29.4	29.4	29.6	29.9	30.6	31.1	31.7	
GE 12000		23.2	25.0	26.6	27.7	28.0	28.3	28.9	29.0	29.6	29.6	29.7	30.0	30.7	31.2	31.8	
GE 10000		25.0	26.8	28.7	29.6	29.9	30.3	30.9	31.0	31.7	31.7	31.8	32.1	32.8	33.3	33.9	
GE 9000		25.4	27.2	29.1	30.0	30.3	30.8	31.3	31.4	32.1	32.1	32.2	32.6	33.2	33.8	34.3	
GE 8000		26.6	28.4	30.9	31.9	32.2	32.7	33.2	33.3	34.0	34.0	34.1	34.4	35.1	35.7	36.2	
GE 7000		27.2	29.1	31.6	32.7	33.0	33.4	34.0	34.1	34.8	34.8	34.9	35.2	35.9	36.4	37.0	
GE 6000		27.2	29.1	31.6	32.7	33.0	33.4	34.0	34.1	34.8	34.8	34.9	35.2	35.9	36.4	37.0	
GE 5000		28.8	30.8	33.9	35.0	35.3	35.8	36.6	36.7	37.3	37.3	37.4	37.8	38.4	39.0	39.6	
GE 4500		33.3	35.6	39.0	40.2	40.6	41.0	41.8	41.9	42.7	42.7	42.8	43.1	43.8	44.3	44.9	
GE 4000		37.7	40.1	43.7	45.1	45.4	45.9	47.1	47.2	48.1	48.1	48.2	48.6	49.2	49.8	50.3	
GE 3500		40.6	43.0	46.8	48.2	48.6	49.3	50.6	50.7	51.6	51.6	51.7	52.0	52.7	53.2	53.8	
GE 3000		45.0	47.6	52.7	54.6	54.9	55.9	57.2	57.3	58.4	58.4	58.6	58.9	59.6	60.1	60.7	
GE 2500		49.1	52.1	57.8	59.7	60.0	61.0	62.3	62.4	63.6	63.6	63.7	64.0	64.7	65.2	65.8	
GE 2000		53.4	57.3	63.6	65.8	66.1	67.1	68.4	68.6	69.7	69.7	69.8	70.2	70.9	71.4	72.0	
GE 1800		54.8	58.7	64.9	67.1	67.4	68.4	69.8	69.9	71.0	71.0	71.1	71.6	72.2	72.8	73.3	
GE 1500		57.1	61.3	68.9	71.4	71.8	73.0	74.3	74.4	76.2	76.2	76.3	76.8	77.4	78.0	78.6	
GE 1200		58.0	62.4	70.8	73.6	73.9	75.1	76.4	76.6	78.3	78.3	78.4	78.9	79.6	80.1	80.7	
GE 1000		58.4	63.2	73.2	76.1	76.4	78.0	79.3	79.4	81.2	81.2	81.3	81.8	82.4	83.0	83.6	
GE 900		58.9	63.7	74.0	76.9	77.2	78.9	80.2	80.8	82.6	82.6	82.7	83.1	83.8	84.3	84.9	
GE 800		59.7	64.8	76.0	79.2	79.7	81.6	83.0	83.6	85.4	85.4	85.6	86.0	86.7	87.2	87.8	
GE 700		59.8	64.9	76.3	79.6	80.0	82.7	84.9	85.6	87.7	87.8	87.9	88.3	89.0	89.6	90.1	
GE 600		59.8	64.9	76.4	79.8	80.2	82.9	85.8	87.2	90.2	90.4	90.6	91.0	91.7	92.2	92.8	
GE 500		59.8	64.9	76.4	79.8	80.2	82.9	86.1	87.7	90.4	91.0	91.2	91.7	92.6	93.1	93.7	
GE 400		59.8	64.9	76.4	79.8	80.2	83.2	86.8	88.4	91.9	92.3	93.2	93.7	94.6	95.1	95.7	
GE 300		59.8	64.9	76.4	79.8	80.2	83.4	87.0	89.0	93.2	93.7	94.7	95.1	96.0	96.7	97.4	
GE 200		59.8	64.9	76.4	79.8	80.2	83.4	87.1	89.1	93.6	94.1	95.3	95.8	97.0	98.1	99.2	
GE 100		59.8	64.9	76.4	79.8	80.2	83.4	87.1	89.1	93.6	94.1	95.3	95.8	97.0	98.2	99.8	
GE	0	59.8	64.9	76.4	79.8	80.2	83.4	87.1	89.1	93.6	94.1	95.3	95.8	97.0	98.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-81
MONTH: NOV HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	16.3	17.5	19.0	19.7	19.9	20.5	20.8	21.0	21.6	21.7	21.9	22.0	22.3	22.8	23.2	
GE 20000	18.4	19.9	21.6	22.4	22.6	23.2	23.5	23.9	24.5	24.6	24.8	24.9	25.3	25.7	26.4	
GE 18000	18.6	20.0	21.7	22.6	22.8	23.4	23.7	24.0	24.7	24.8	25.0	25.1	25.5	25.9	26.6	
GE 16000	18.7	20.1	21.8	22.7	22.9	23.5	23.8	24.1	24.8	24.9	25.1	25.2	25.6	26.0	26.7	
GE 14000	19.0	20.4	22.1	23.0	23.2	23.9	24.1	24.4	25.1	25.2	25.4	25.5	25.9	26.3	27.0	
GE 12000	19.3	20.7	22.5	23.3	23.5	24.1	24.5	24.7	25.4	25.5	25.7	25.9	26.2	26.7	27.4	
GE 10000	20.3	21.7	23.5	24.3	24.5	25.2	25.5	25.8	26.5	26.6	26.8	27.0	27.3	27.8	28.5	
GE 9000	20.7	22.2	24.0	24.8	25.0	25.7	26.0	26.3	27.0	27.1	27.3	27.5	27.8	28.3	29.0	
GE 8000	22.4	23.9	25.9	26.8	27.1	27.8	28.2	28.5	29.2	29.3	29.5	29.7	30.1	30.5	31.2	
GE 7000	23.0	24.6	26.6	27.6	27.9	28.6	29.1	29.4	30.1	30.2	30.4	30.6	31.0	31.4	32.2	
GE 6000	23.4	25.1	27.2	28.3	28.5	29.3	29.7	30.0	30.7	30.8	31.0	31.2	31.6	32.1	32.8	
GE 5000	24.9	26.7	29.2	30.4	30.6	31.4	32.0	32.3	33.1	33.2	33.4	33.6	34.0	34.5	35.2	
GE 4500	28.4	30.4	33.0	34.3	34.7	35.5	36.1	36.4	37.3	37.4	37.7	37.9	38.2	38.7	39.4	
GE 4000	32.5	34.6	37.4	38.9	39.3	40.2	41.0	41.3	42.3	42.4	42.6	42.8	43.2	43.7	44.4	
GE 3500	36.1	38.4	41.4	43.1	43.5	44.6	45.4	45.7	46.7	46.8	47.1	47.3	47.7	48.2	48.9	
GE 3000	41.7	44.3	48.5	50.4	50.9	52.3	53.2	53.6	54.7	54.8	55.1	55.3	55.7	56.2	57.0	
GE 2500	44.4	47.1	51.5	53.6	54.2	55.6	56.5	57.1	58.2	58.3	58.6	58.8	59.2	59.7	60.5	
GE 2000	48.3	51.5	56.4	58.7	59.3	60.9	61.9	62.5	63.6	63.8	64.0	64.2	64.7	65.2	65.9	
GE 1800	49.5	52.8	57.9	60.2	60.8	62.5	63.5	64.1	65.2	65.4	65.6	65.8	66.3	66.8	67.5	
GE 1500	53.1	57.0	63.3	66.1	66.8	68.9	70.0	70.7	72.1	72.2	72.6	72.9	73.3	73.8	74.5	
GE 1200	54.4	58.8	66.2	69.2	70.0	72.1	73.4	74.1	75.6	75.7	76.0	76.2	76.7	77.2	77.9	
GE 1000	55.4	60.4	69.2	72.6	73.5	75.9	77.3	78.0	79.5	79.7	80.0	80.3	80.7	81.3	82.0	
GE 900	56.0	61.1	70.2	73.8	74.7	77.2	78.6	79.4	81.0	81.2	81.5	81.7	82.2	82.8	83.5	
GE 800	56.4	61.7	71.2	75.1	76.0	78.8	80.3	81.2	83.1	83.3	83.7	83.9	84.4	85.1	85.8	
GE 700	56.6	61.9	71.8	75.8	76.8	80.2	82.0	83.1	85.3	85.5	85.9	86.2	86.7	87.4	88.1	
GE 600	56.6	62.0	72.0	76.1	77.2	80.8	82.9	84.4	87.0	87.3	87.8	88.1	88.6	89.3	90.0	
GE 500	56.6	62.0	72.1	76.3	77.4	81.3	83.9	85.6	88.5	88.9	89.4	89.8	90.5	91.2	91.9	
GE 400	56.6	62.0	72.1	76.4	77.6	81.7	84.7	86.6	90.0	90.5	91.1	91.5	92.2	93.0	93.8	
GE 300	56.7	62.1	72.2	76.5	77.6	81.8	85.0	87.1	91.2	91.8	92.6	93.1	93.9	94.9	96.1	
GE 200	56.7	62.1	72.2	76.5	77.6	81.8	85.1	87.2	91.6	92.4	93.5	94.1	95.2	96.7	98.5	
GE 100	56.7	62.1	72.2	76.5	77.6	81.8	85.1	87.2	91.7	92.5	93.6	94.2	95.4	97.3	99.8	
GE 0	56.7	62.1	72.2	76.5	77.6	81.8	85.1	87.2	91.7	92.5	93.6	94.3	95.5	97.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7199

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-YR
MONTH: DEC HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 50	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3	GE 2	GE 1
NO CEIL		12.9	15.1	18.1	18.7	18.8	19.0	19.2	19.6	19.8	19.8	19.8	19.9	19.9	20.6	20.9
GE 20000	14.6	16.9	20.1	27.9	21.0	21.5	21.9	22.4	22.6	22.6	22.6	22.6	22.7	22.7	23.4	23.7
GE 18000	14.7	17.0	20.2	21.0	21.1	21.6	22.0	22.5	22.7	22.7	22.7	22.7	22.7	22.8	23.5	23.8
GE 16000	14.7	17.0	20.2	21.0	21.1	21.6	22.0	22.5	22.7	22.7	22.7	22.7	22.7	22.8	23.5	23.8
GE 14000	14.8	17.1	20.3	21.1	21.2	21.7	22.2	22.6	22.8	22.8	22.8	22.8	22.8	22.9	23.7	23.9
GE 12000	15.1	17.3	20.5	21.3	21.4	21.9	22.4	22.8	23.0	23.0	23.0	23.0	23.1	23.1	23.9	24.1
GE 10000	16.5	18.6	22.3	23.1	23.2	23.8	24.2	24.6	24.8	24.8	24.8	24.8	24.9	24.9	25.7	25.9
GE 9000	16.6	19.2	22.7	23.5	23.7	24.2	24.6	25.1	25.3	25.3	25.3	25.3	25.4	25.4	26.1	26.3
GE 8000	17.5	20.3	23.6	24.6	24.7	25.3	25.7	26.1	26.3	26.3	26.3	26.3	26.3	26.5	27.2	27.4
GE 7000	17.7	20.5	24.0	24.8	24.9	25.8	26.2	26.7	26.9	26.9	26.9	26.9	26.9	27.2	28.0	28.2
GE 6000	18.2	21.0	24.4	25.3	25.4	26.2	26.7	27.1	27.3	27.3	27.3	27.3	27.3	27.6	28.4	28.6
GE 5000	20.0	23.0	26.6	27.6	27.7	28.6	29.2	29.7	29.9	29.9	29.9	29.9	29.9	30.2	31.0	31.2
GE 4500	21.8	25.1	29.2	30.3	30.4	31.3	31.9	32.4	32.6	32.6	32.6	32.6	32.6	32.9	33.7	33.9
GE 4000	25.8	29.2	34.1	35.4	35.5	36.5	37.1	37.5	37.7	37.7	37.7	37.7	37.7	38.1	38.8	39.1
GE 3500	27.8	31.3	36.1	37.5	37.7	38.7	39.4	39.8	40.0	40.0	40.0	40.0	40.0	40.4	41.2	41.5
GE 3000	33.8	37.8	43.4	44.8	45.1	46.2	47.2	47.6	48.1	48.1	48.1	48.2	48.2	48.6	49.4	49.7
GE 2500	36.8	41.0	46.8	48.5	48.7	49.9	50.9	51.3	51.7	51.7	51.7	51.7	51.8	52.3	53.0	53.3
GE 2000	43.4	49.0	56.3	58.1	58.4	59.8	60.8	61.2	61.6	61.6	61.7	61.7	61.8	62.3	63.0	63.3
GE 1800	44.1	49.7	57.2	59.4	59.7	61.1	62.0	62.5	63.1	63.1	63.2	63.2	63.3	63.8	64.5	64.8
GE 1500	47.4	53.9	61.7	64.3	64.6	66.1	67.3	67.7	68.1	68.1	68.9	68.9	69.0	69.5	70.2	70.5
GE 1200	49.5	56.1	64.7	67.6	68.0	69.8	71.1	71.5	72.6	72.6	72.7	72.7	73.3	74.1	74.4	74.4
GE 1000	51.6	58.5	68.7	71.7	72.2	74.5	75.8	76.2	77.4	77.4	77.5	77.5	78.2	78.9	79.6	79.6
GE 900	51.9	58.8	69.7	72.7	73.1	75.5	76.8	77.5	78.8	78.8	78.9	78.9	79.1	79.6	80.3	80.6
GE 800	52.6	59.6	71.6	75.1	75.5	78.0	79.4	80.1	81.7	81.7	81.8	82.0	82.5	83.2	83.5	83.5
GE 700	52.9	60.3	72.7	76.2	76.8	79.8	81.6	82.9	84.6	84.6	84.7	84.9	85.4	86.1	86.5	86.5
GE 600	53.1	60.6	73.4	77.0	78.2	81.7	83.5	85.3	88.3	88.3	88.4	88.9	89.4	90.1	90.4	90.4
GE 500	53.2	60.8	73.5	77.1	78.3	82.0	84.7	86.6	91.0	91.0	91.1	91.6	92.1	92.8	93.1	93.1
GE 400	53.2	60.8	73.7	77.3	78.5	82.9	85.7	87.5	92.4	92.4	92.8	93.3	93.8	94.5	94.8	94.8
GE 300	53.2	60.8	73.7	77.3	78.5	82.9	85.7	87.6	93.5	93.5	94.2	94.6	95.2	95.7	96.5	96.8
GE 200	53.2	60.8	73.7	77.3	78.5	82.9	85.7	87.6	93.5	93.5	94.5	94.9	95.6	96.3	97.6	98.2
GE 100	53.3	60.9	73.8	77.4	78.6	83.0	85.8	87.7	93.8	93.8	94.7	95.3	96.0	97.5	98.8	99.6
GE 0	53.3	60.9	73.8	77.4	78.6	83.0	85.8	87.7	93.8	93.8	94.7	95.4	96.1	97.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: DEC HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GF 70	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GF 0
NO CEIL		12.8	14.3	16.9	18.2	18.4	19.0	19.5	19.8	20.0	20.1	20.1	20.2	20.3	21.0	21.2
GE 20000		13.3	15.1	18.0	19.4	19.6	20.4	20.9	21.3	21.5	21.7	21.7	21.9	21.9	22.6	22.9
GE 18000		13.3	15.1	18.0	19.4	19.6	20.4	20.9	21.3	21.5	21.7	21.7	21.8	21.9	22.6	22.9
GE 16000		13.3	15.1	18.0	19.4	19.6	20.4	20.9	21.3	21.5	21.7	21.7	21.9	21.9	22.6	22.9
GE 14000		13.5	15.3	18.2	19.6	19.8	20.6	21.1	21.5	21.7	21.9	21.9	22.0	22.2	22.8	23.1
GE 12000		13.5	15.3	18.3	19.8	20.0	20.9	21.3	21.7	21.9	22.2	22.2	22.3	22.4	23.0	23.3
GE 10000		14.1	15.6	18.8	20.3	20.5	21.4	21.8	22.4	22.6	22.8	22.8	22.9	23.0	23.7	24.0
GE 9000		14.3	16.3	19.4	20.9	21.1	21.9	22.4	22.9	23.1	23.3	23.3	23.4	23.5	24.2	24.5
GE 8000		15.5	17.8	20.9	22.4	22.6	23.4	23.9	24.4	24.6	24.8	24.8	24.9	25.1	25.7	26.0
GE 7000		15.6	18.0	21.2	22.8	23.0	24.0	24.4	24.9	25.3	25.5	25.5	25.6	25.7	26.3	26.7
GE 6000		15.9	18.3	21.5	23.1	23.3	24.3	24.7	25.3	25.6	25.8	25.8	25.9	26.0	26.7	27.0
GE 5000		17.8	20.3	24.0	25.6	25.9	26.9	27.3	28.0	28.3	28.5	28.5	28.6	28.8	29.6	29.9
GE 4500		21.2	23.5	28.1	29.7	30.0	31.0	31.5	32.2	32.5	32.7	32.7	32.8	33.0	33.8	34.1
GE 4000		24.1	26.8	31.4	33.0	33.7	34.9	35.5	36.1	36.8	37.0	37.0	37.1	37.3	38.1	38.6
GE 3500		27.8	30.6	35.5	37.1	37.7	39.0	39.6	40.2	40.9	41.1	41.1	41.2	41.5	42.3	42.8
GE 3000		31.2	34.2	39.6	41.2	41.8	43.1	43.7	44.3	44.9	45.2	45.2	45.3	45.6	46.3	47.0
GE 2500		33.8	37.2	42.8	44.7	45.4	46.9	47.4	48.1	48.7	48.9	48.9	49.0	49.4	50.1	50.6
GE 2000		41.4	45.8	52.6	54.5	55.4	57.0	57.8	58.5	59.2	59.5	59.5	59.6	59.9	60.8	61.4
GE 1800		42.0	46.5	53.2	55.4	56.2	57.8	58.7	59.4	60.1	60.3	60.3	60.4	60.8	61.6	62.3
GE 1600		48.1	53.3	61.0	63.2	64.1	66.0	67.0	67.6	68.5	68.7	68.7	68.8	69.1	70.0	70.6
GE 1200		49.9	55.5	64.0	66.2	67.1	69.6	70.5	71.3	72.2	72.4	72.4	72.5	72.8	73.7	74.3
GE 1000		52.2	58.1	68.1	70.5	71.4	74.3	75.3	76.0	76.9	77.1	77.1	77.2	77.5	78.4	79.0
GE 900		52.5	58.7	69.7	72.2	73.0	76.0	77.1	77.8	78.7	78.9	78.9	79.0	79.4	80.2	80.9
GE 800		52.9	59.1	70.5	73.0	73.9	77.1	78.5	79.4	80.4	80.6	80.6	80.8	81.1	81.9	82.6
GE 700		53.3	59.8	71.7	74.6	75.5	79.2	81.0	82.3	83.3	83.5	83.5	83.7	84.0	84.8	85.5
GE 600		53.4	59.9	72.5	75.5	76.6	81.1	83.1	84.6	86.3	86.6	86.6	86.8	87.1	88.0	88.6
GE 500		53.4	59.9	72.9	76.7	77.3	82.5	85.4	87.3	89.7	89.9	89.9	90.2	90.5	91.4	92.0
GE 400		53.4	59.9	73.3	76.8	77.8	83.8	87.2	89.1	91.6	91.8	91.8	92.2	92.5	93.3	94.0
GE 300		53.4	59.9	73.3	76.8	77.8	83.8	87.4	89.7	93.4	93.7	94.0	94.3	94.6	95.5	96.1
GE 200		53.4	59.9	73.3	76.8	77.8	83.8	87.4	89.7	93.8	94.2	94.5	94.8	95.9	97.2	98.0
GF 100		53.4	59.9	73.3	76.8	77.8	83.8	87.4	89.7	94.1	94.5	94.8	95.6	97.1	98.5	99.7
GF 0		53.4	59.9	73.3	76.8	77.8	83.8	87.4	89.7	94.1	94.5	94.8	95.6	97.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: DEC HOURS(IST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GL 80	GF 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 9	GE 5	GE 4	GE 0	
NO CEIL		12.2	13.9	16.0	17.3	17.4	17.8	18.1	18.4	18.9	19.5	19.5	19.8	20.1	20.4	20.6	
GE 20000		12.8	14.5	16.9	18.6	18.7	19.1	19.5	19.9	20.4	21.0	21.0	21.3	21.6	21.9	22.2	
GE 18000		12.8	14.5	16.9	18.6	18.7	19.1	19.5	19.9	20.4	21.0	21.0	21.3	21.6	21.9	22.2	
GE 16000		12.8	14.5	16.9	18.6	18.7	19.1	19.5	19.9	20.4	21.0	21.0	21.3	21.6	21.9	22.2	
GE 14000		12.8	14.5	16.9	18.6	18.7	19.1	19.5	19.9	20.4	21.0	21.0	21.3	21.6	21.9	22.2	
GE 12000		12.9	14.6	17.2	18.9	19.0	19.5	19.8	20.2	20.8	21.3	21.3	21.6	21.9	22.3	22.5	
GE 10000		13.1	14.8	17.4	19.1	19.2	19.7	20.0	20.5	21.2	21.7	21.7	22.0	22.4	22.7	22.9	
GE 9000		13.2	15.1	17.6	19.4	19.5	19.9	20.2	20.8	21.4	21.9	21.9	22.3	22.6	22.9	23.1	
GE 8000		14.4	16.3	19.0	20.8	20.9	21.4	21.7	22.3	22.9	23.4	23.4	23.8	24.1	24.4	24.6	
GE 7000		14.7	16.7	19.5	21.2	21.3	21.8	22.2	22.7	23.3	23.9	23.9	24.2	24.5	24.8	25.1	
GE 6000		15.2	17.1	19.9	21.6	21.7	22.3	22.6	23.1	23.8	24.3	24.3	24.6	24.9	25.3	25.5	
GE 5000		16.8	18.7	21.8	23.7	24.1	24.6	24.9	25.5	26.1	26.7	26.7	27.0	27.3	27.6	27.8	
GE 4500		19.5	21.4	24.9	26.8	27.2	27.7	28.2	28.8	29.5	30.0	30.0	30.3	30.6	31.0	31.2	
GE 4000		23.9	26.3	30.3	32.2	32.8	33.5	34.0	34.6	35.6	36.1	36.1	36.5	36.8	37.1	37.3	
GE 3500		28.1	30.5	34.9	36.8	37.4	38.2	38.6	39.2	40.2	40.8	40.8	41.1	41.4	41.7	41.9	
GE 3000		31.2	33.7	38.5	40.3	41.0	41.8	42.3	42.9	44.0	44.5	44.5	44.8	45.2	45.5	46.0	
GE 2500		34.3	37.1	42.0	44.3	44.9	46.1	46.9	47.5	48.7	49.2	49.2	49.6	49.9	50.2	50.8	
GE 2000		41.9	45.2	50.5	53.1	53.8	55.3	56.0	56.7	58.1	58.6	58.6	58.9	59.2	59.6	60.1	
GE 1800		43.2	46.5	51.8	54.4	55.1	56.9	57.5	58.2	59.7	60.2	60.2	60.5	60.9	61.2	61.7	
GE 1500		49.9	53.4	60.8	63.4	64.1	66.0	66.9	67.5	69.1	69.7	69.7	70.0	70.3	70.6	71.2	
GE 1200		51.9	55.5	63.3	66.0	66.7	68.7	69.6	70.4	72.2	72.7	72.7	73.0	73.3	73.7	74.2	
GE 1000		55.1	59.0	67.8	70.8	71.4	74.0	74.9	75.8	77.6	78.2	78.3	78.6	78.9	79.2	79.6	
GE 900		55.3	59.4	68.7	71.6	72.3	75.4	76.3	77.2	79.0	79.6	79.7	80.0	80.3	80.6	81.2	
GE 800		55.3	59.5	69.6	72.6	73.4	77.1	78.1	78.9	81.0	81.5	81.6	81.9	82.3	82.6	83.1	
GE 700		55.7	60.1	71.4	74.6	75.5	79.6	80.8	81.7	83.8	84.3	84.4	84.7	85.1	85.4	85.9	
GE 600		55.8	60.2	72.2	75.8	76.7	81.0	82.5	83.9	86.8	87.3	87.4	87.8	88.2	88.5	89.0	
GE 500		55.8	60.2	73.0	76.9	77.8	82.8	85.4	86.8	90.5	91.1	91.2	91.6	91.9	92.3	92.8	
GE 400		55.8	60.2	73.2	77.2	78.3	83.5	86.6	88.1	91.8	92.4	92.5	92.9	93.2	93.5	94.1	
GE 300		55.8	60.2	73.2	77.2	78.3	83.5	86.8	88.4	93.2	93.8	94.0	94.4	94.7	95.1	95.6	
GE 200		55.8	60.2	73.2	77.2	78.3	83.5	86.8	88.6	94.2	94.8	95.1	95.7	96.1	97.0	97.6	
GE 100		55.8	60.2	73.2	77.2	78.3	83.5	86.8	88.6	94.4	95.3	95.6	96.9	97.4	98.7	99.9	
GE 0		55.8	60.2	73.2	77.2	78.3	83.5	86.8	88.6	94.4	95.3	95.6	96.9	97.4	98.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ETC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: DEC HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	8.9	10.5	12.4	14.1	14.3	14.7	15.2	15.5	15.8	16.0	16.0	16.1	16.2	16.3	16.3	
GE 20000	10.0	11.7	13.8	15.9	16.1	16.7	17.1	17.4	17.7	18.0	19.0	18.1	18.3	18.4	18.4	
GE 18000	10.0	11.7	13.8	15.9	16.1	16.7	17.1	17.4	17.7	18.0	18.0	18.1	18.3	18.4	18.4	
GE 16000	10.0	11.7	13.8	15.9	16.1	16.7	17.1	17.4	17.7	18.0	18.0	18.1	18.3	18.4	18.4	
GE 14000	10.0	11.8	13.9	16.0	16.2	16.8	17.2	17.5	17.8	18.1	18.1	18.2	18.4	18.5	18.5	
GE 12000	10.1	11.9	14.0	16.1	16.5	17.0	17.4	17.8	18.2	18.4	18.4	18.5	18.7	18.8	18.8	
GE 10000	10.9	12.8	15.1	17.3	17.6	18.3	18.7	19.1	19.5	19.7	19.7	19.8	20.0	20.1	20.1	
GE 9000	11.3	13.2	15.6	17.8	18.2	18.8	19.2	19.7	20.0	20.2	20.2	20.3	20.5	20.6	20.6	
GE 8000	12.6	14.5	17.0	19.2	19.6	20.3	20.8	21.2	21.5	21.7	21.7	21.8	22.0	22.2	22.2	
GE 7000	13.0	14.9	17.4	20.0	20.3	21.1	21.5	21.9	22.3	22.5	22.5	22.6	22.8	22.9	22.9	
GE 6000	13.0	14.9	17.4	20.0	20.3	21.1	21.5	21.9	22.3	22.5	22.5	22.6	22.8	22.9	22.9	
GE 5000	14.4	16.5	19.2	22.0	22.5	23.2	23.7	24.1	24.4	24.6	24.6	24.7	24.9	25.1	25.1	
GE 4500	15.8	18.0	20.9	23.9	24.3	25.1	25.5	25.9	26.3	26.6	26.6	26.7	26.9	27.0	27.0	
GE 4000	19.4	22.6	26.2	29.6	30.0	31.0	31.4	31.9	32.6	32.9	32.9	33.0	33.2	33.3	33.3	
GE 3500	22.3	25.7	30.1	33.9	34.3	35.3	35.8	36.3	37.0	37.3	37.3	37.4	37.6	37.7	37.7	
GE 3000	27.7	31.8	36.8	40.5	41.1	42.2	42.7	43.2	44.2	44.5	44.5	44.6	45.1	45.2	45.2	
GE 2500	31.2	35.3	40.4	44.7	45.3	46.5	47.1	47.6	48.6	48.9	48.9	49.0	49.5	49.6	49.6	
GE 2000	36.6	41.3	46.8	51.3	51.9	53.5	54.2	54.9	56.0	56.5	56.5	56.6	57.1	57.2	57.2	
GE 1800	38.0	42.7	48.5	53.0	53.7	55.4	56.0	56.8	58.2	58.6	58.6	58.7	59.2	59.4	59.4	
GE 1500	42.9	48.2	55.5	60.2	60.9	62.9	63.7	64.4	65.9	66.3	66.3	66.5	67.0	67.1	67.1	
GE 1200	45.7	51.4	59.5	64.5	65.2	67.2	68.0	68.7	70.2	70.6	70.6	70.8	71.3	71.4	71.4	
GE 1000	48.2	54.4	65.3	71.1	71.7	73.9	74.7	75.5	77.0	77.4	77.4	77.5	78.1	78.2	78.2	
GE 900	48.4	54.9	66.6	72.6	73.2	75.6	76.5	77.2	78.7	79.1	79.1	79.2	79.8	79.9	79.9	
GE 800	48.9	55.8	67.6	73.7	74.4	77.1	78.1	78.9	80.4	80.9	80.9	81.1	81.6	81.7	81.7	
GE 700	48.9	55.8	68.5	74.8	75.6	78.5	79.8	80.6	82.8	83.2	83.2	83.4	84.0	84.1	84.1	
GE 600	48.9	55.8	68.9	75.4	76.7	80.5	81.9	83.7	86.3	86.8	86.9	87.3	87.8	88.0	88.0	
GE 500	48.9	55.8	69.7	76.6	78.0	82.6	85.1	87.0	90.6	91.3	91.4	91.8	92.4	92.5	92.5	
GE 400	48.9	55.8	69.8	76.9	78.3	82.9	85.9	87.8	92.0	92.7	92.8	93.2	93.9	94.0	94.0	
GE 300	48.9	55.8	69.8	76.9	78.3	82.9	86.5	88.6	94.0	94.9	95.1	95.5	96.2	96.3	96.3	
GE 200	48.9	55.8	69.8	76.9	78.3	82.9	86.5	88.6	94.4	95.5	95.7	95.3	97.5	98.1	98.1	
GE 100	48.9	55.8	69.8	76.9	78.3	82.9	86.5	88.6	94.6	95.8	96.0	96.8	98.2	99.6	100.0	
GE 0	46.9	55.8	69.8	76.9	78.3	82.9	86.5	88.6	94.6	95.8	96.0	96.8	98.2	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: DEC HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	11.1	11.6	13.4	15.1	15.4	15.9	16.1	16.3	16.7	16.8	16.8	16.8	16.8	17.0	17.0	
GE 20000	13.3	14.7	17.0	19.2	19.6	20.1	20.3	20.6	21.0	21.1	21.1	21.1	21.1	21.3	21.3	
GE 18000	13.5	14.9	17.3	19.7	20.0	20.5	20.8	21.1	21.4	21.5	21.5	21.5	21.5	21.7	21.7	
GE 16000	13.5	14.9	17.3	19.7	20.0	20.5	20.8	21.1	21.4	21.5	21.5	21.5	21.5	21.7	21.7	
GE 14000	13.8	15.4	17.7	20.1	20.4	21.0	21.2	21.5	21.8	21.9	21.9	21.9	21.9	22.2	22.2	
GE 12000	14.0	15.6	18.0	20.3	20.6	21.2	21.5	21.8	22.2	22.3	22.3	22.3	22.3	22.5	22.5	
GE 10000	15.1	16.8	19.5	21.8	22.2	22.7	23.0	23.3	23.7	23.8	23.8	23.8	23.8	24.0	24.0	
GE 9000	15.3	17.0	19.8	22.2	22.5	23.0	23.3	23.7	24.0	24.1	24.1	24.1	24.1	24.3	24.3	
GE 8000	16.0	17.8	20.8	23.3	23.7	24.3	24.6	24.9	25.3	25.4	25.4	25.4	25.4	25.6	25.6	
GE 7000	16.8	18.7	21.7	24.3	24.8	25.6	25.9	26.2	26.6	26.7	26.7	26.7	26.7	26.9	26.9	
GE 6000	16.9	18.8	21.8	24.4	24.9	25.7	26.0	26.3	26.7	26.8	26.8	26.8	26.8	27.0	27.0	
GE 5000	17.8	19.8	22.9	25.6	26.1	27.0	27.4	27.7	28.1	29.2	28.2	28.2	28.2	28.4	28.4	
GE 4500	19.0	21.4	24.5	27.4	28.0	28.8	29.2	29.6	29.9	30.0	30.0	30.0	30.0	30.2	30.2	
GE 4000	22.2	24.8	28.3	31.3	32.0	32.9	33.3	33.8	34.1	34.2	34.2	34.2	34.2	34.4	34.4	
GE 3500	25.3	28.4	32.3	35.4	36.1	37.0	37.4	37.8	38.2	39.3	38.3	38.3	38.4	38.6	38.6	
GE 3000	31.2	35.3	39.5	42.6	43.3	44.4	44.9	45.5	45.8	45.9	45.9	46.0	46.0	46.2	46.2	
GE 2500	35.5	39.7	44.1	47.6	48.4	49.7	50.3	51.0	51.3	51.4	51.4	51.5	51.5	51.7	51.7	
GE 2000	40.4	44.7	49.8	53.7	54.4	56.7	57.4	59.1	58.5	58.6	58.6	58.7	58.7	58.9	58.9	
GE 1800	41.9	46.2	51.4	55.3	56.0	58.4	59.2	59.9	60.5	60.6	60.6	60.8	60.8	61.0	61.0	
GE 1500	45.1	50.8	57.1	61.5	62.3	64.9	66.0	66.7	67.3	67.4	67.4	67.5	67.5	67.7	67.7	
GE 1200	48.1	54.1	61.8	66.1	67.5	70.5	71.6	72.3	73.1	73.2	73.2	73.3	73.3	73.5	73.5	
GE 1000	49.0	55.2	65.5	71.0	71.8	75.9	77.1	77.7	79.1	79.2	79.2	79.4	79.4	79.6	79.6	
GE 900	49.0	55.2	65.8	71.6	72.5	76.7	77.8	78.5	80.0	80.1	80.1	80.2	80.2	80.4	80.4	
GE 800	49.7	55.8	66.9	73.4	74.3	79.1	80.4	81.5	83.1	83.2	83.2	83.3	83.3	83.5	83.5	
GE 700	50.0	56.1	67.5	74.7	75.8	81.1	82.7	83.8	85.9	86.0	86.2	86.3	86.3	86.6	86.6	
GE 600	50.0	56.1	67.6	75.5	76.8	82.5	84.9	86.5	89.1	89.2	89.5	89.6	89.6	89.8	89.8	
GE 500	50.0	56.1	67.8	76.3	77.6	83.5	87.0	89.2	92.5	92.7	92.9	93.1	93.1	93.3	93.3	
GE 400	50.0	56.1	67.8	76.3	77.6	83.8	87.6	90.1	93.9	94.1	94.4	94.6	94.6	94.8	94.8	
GE 300	50.0	56.1	67.8	76.3	77.6	83.8	87.6	90.1	95.2	95.9	96.5	97.4	97.4	97.6	97.6	
GE 200	50.0	56.1	67.8	76.3	77.6	83.8	87.7	90.2	95.8	96.7	97.2	98.4	99.0	99.4	99.4	
GE 100	50.0	56.1	67.8	76.3	77.6	83.8	87.7	90.2	95.8	96.8	97.3	98.5	99.1	99.9	99.9	
GE 01	50.0	56.1	67.8	76.3	77.6	83.8	87.7	90.2	95.8	96.8	97.3	98.5	99.1	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-81
MONTH: DEC HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GE 90	GE 80	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL			15.1	15.7	16.9	17.6	17.7	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.5	18.5	
GE 20000			17.5	18.7	20.5	21.6	21.7	22.6	22.6	22.7	22.7	22.7	22.7	22.7	22.8	22.9	
GE 18000			17.5	18.7	20.6	21.7	21.8	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.9	23.0	
GE 16000			17.5	18.7	20.6	21.7	21.8	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.9	23.0	
GE 14000			17.6	18.8	20.8	21.8	21.9	22.8	22.8	22.9	22.9	22.9	22.9	22.9	23.0	23.1	
GE 12000			18.0	19.1	21.1	22.2	22.3	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.3	23.4	
GE 10000			19.8	21.2	23.3	24.4	24.5	25.5	25.5	25.6	25.6	25.6	25.6	25.6	25.7	25.8	
GE 9000			20.0	21.4	23.5	24.7	24.8	25.8	25.8	25.9	25.9	25.9	25.9	25.9	26.0	26.1	
GE 8000			21.5	22.6	25.1	26.7	26.8	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.3	28.4	
GE 7000			22.6	24.0	26.2	28.1	28.2	29.5	29.5	29.6	29.6	29.6	29.6	29.6	29.7	29.8	
GE 6000			22.8	24.2	26.5	28.3	28.4	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.9	30.0	
GE 5000			23.5	24.9	27.5	29.4	29.5	30.8	30.9	31.0	31.0	31.0	31.0	31.0	31.1	31.2	
GE 4500			25.3	26.8	29.6	31.4	31.5	32.8	32.9	33.0	33.0	33.0	33.0	33.0	33.1	33.2	
GE 4000			27.8	29.4	32.4	34.3	34.4	35.7	35.9	36.0	36.0	36.0	36.0	36.0	36.1	36.2	
GE 3500			31.8	33.4	36.5	38.6	38.8	40.2	40.4	40.5	40.5	40.5	40.5	40.5	40.6	40.8	
GE 3000			37.8	40.1	43.3	45.9	46.2	47.7	48.0	48.4	48.5	48.5	48.5	48.5	48.6	48.7	
GE 2500			41.9	44.3	47.6	50.6	51.0	52.5	52.7	53.1	53.2	53.3	53.3	53.3	53.4	53.5	
GE 2000			48.0	50.9	54.9	58.8	59.1	61.0	61.2	61.9	62.2	62.3	62.3	62.3	62.4	62.5	
GE 1800			49.4	52.3	56.7	60.6	61.0	63.0	63.2	64.0	64.2	64.3	64.3	64.3	64.4	64.5	
GE 1500			53.4	57.5	63.4	67.7	68.1	70.6	70.9	71.6	71.8	71.9	71.9	71.9	72.0	72.2	
GE 1200			55.3	59.9	67.7	72.6	72.9	75.6	75.9	76.7	77.0	77.1	77.1	77.1	77.2	77.3	
GE 1000			55.9	61.6	70.8	76.5	76.8	79.7	80.3	81.3	81.8	81.9	81.9	81.9	82.0	82.2	
GE 900			55.9	61.7	71.1	78.0	78.3	81.2	81.9	82.9	83.4	83.5	83.5	83.5	83.7	83.8	
GE 800			56.1	61.9	71.8	79.9	80.3	83.7	84.4	85.7	86.5	86.6	86.6	86.6	86.7	86.8	
GE 700			56.5	62.4	72.5	81.1	81.5	85.1	86.2	87.6	89.0	89.1	89.2	89.2	89.4	89.5	
GE 600			56.5	62.4	72.6	81.8	82.3	86.2	87.6	89.1	91.9	92.0	92.2	92.2	92.3	92.4	
GE 500			56.5	62.4	72.6	81.9	82.4	86.6	88.1	90.6	93.9	94.0	94.4	94.6	94.7	94.8	
GE 400			56.5	62.4	72.6	81.9	82.4	86.6	88.1	90.8	94.9	95.1	95.5	96.1	96.1	96.3	
GE 300			56.5	62.4	72.6	81.9	82.4	86.6	88.3	91.2	96.3	96.8	97.2	98.2	98.3	98.6	
GE 200			56.5	62.4	72.6	81.9	82.4	86.6	88.3	91.2	96.5	97.1	97.5	98.5	98.9	99.9	
GE 100			56.5	62.4	72.6	81.9	82.4	86.6	88.3	91.2	96.5	97.1	97.5	98.5	98.9	100.0	
GE 0			56.5	62.4	72.6	81.9	82.4	86.6	88.3	91.2	96.5	97.1	97.5	98.5	98.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: DEC HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		16.1	17.5	19.1	19.7	19.8	20.2	20.3	20.4	20.6	20.6	20.6	20.6	20.8	20.8	20.9
GE 20000		18.6	20.3	22.2	22.9	23.0	23.5	23.8	23.9	24.1	24.1	24.2	24.2	24.3	24.3	24.4
GE 18000		18.7	20.4	22.3	23.0	23.1	23.7	23.9	24.0	24.2	24.2	24.3	24.3	24.4	24.4	24.5
GE 16000		18.7	20.4	22.3	23.0	23.1	23.7	23.9	24.0	24.2	24.2	24.3	24.3	24.4	24.4	24.5
GE 14000		19.0	20.6	22.6	23.3	23.4	24.0	24.2	24.3	24.5	24.5	24.6	24.6	24.7	24.7	24.8
GE 12000		19.5	21.2	23.0	23.8	23.9	24.4	24.6	24.7	24.9	24.9	25.1	25.1	25.2	25.2	25.3
GE 10000		20.9	22.8	24.9	26.1	26.2	26.9	27.1	27.2	27.4	27.4	27.5	27.5	27.6	27.6	27.7
GE 9000		21.1	23.2	25.4	26.7	26.8	27.4	27.6	27.7	28.0	28.0	28.1	28.1	28.2	28.2	28.3
GE 8000		22.0	24.2	26.5	28.1	28.2	28.8	29.2	29.4	29.6	29.6	29.7	29.7	29.8	29.8	29.9
GE 7000		22.3	24.6	26.9	28.5	28.6	29.2	29.7	29.8	30.0	30.0	30.3	30.3	30.4	30.4	30.5
GE 6000		22.3	24.6	26.9	28.5	28.7	29.4	29.8	29.9	30.1	30.1	30.4	30.4	30.5	30.5	30.6
GE 5000		23.4	25.8	28.1	29.7	29.9	30.5	31.0	31.1	31.3	31.3	31.6	31.6	31.7	31.7	31.8
GE 4500		25.2	27.6	30.3	32.3	32.5	33.1	33.5	33.7	33.9	33.9	34.2	34.2	34.3	34.3	34.4
GE 4000		29.9	32.6	35.4	37.4	37.7	38.4	38.8	38.9	39.1	39.1	39.5	39.5	39.6	39.6	39.7
GE 3500		32.8	35.5	38.5	40.8	41.1	41.7	42.2	42.3	42.8	42.8	43.1	43.1	43.2	43.2	43.3
GE 3000		38.6	41.9	45.6	48.4	48.7	49.4	49.8	50.2	51.1	51.1	51.5	51.5	51.6	51.6	51.7
GE 2500		42.9	46.6	50.4	53.9	54.2	54.8	55.3	55.7	56.7	56.7	57.1	57.1	57.2	57.2	57.3
GE 2000		47.7	52.3	56.9	60.8	61.1	61.9	62.4	62.8	64.0	64.0	64.4	64.4	64.5	64.5	64.6
GE 1800		48.4	53.0	58.1	61.9	62.3	63.1	63.5	64.0	65.2	65.2	65.6	65.6	65.7	65.7	65.8
GE 1500		51.3	57.1	63.1	67.6	68.0	69.2	69.7	70.1	71.4	71.4	71.8	71.8	71.9	71.9	72.0
GE 1200		53.4	59.6	66.9	71.9	72.3	73.5	74.0	74.5	75.8	75.8	76.2	76.2	76.3	76.3	76.5
GE 1000		54.4	61.1	69.6	75.6	75.9	77.5	78.0	78.5	80.1	80.1	80.5	80.5	80.6	80.6	80.8
GE 900		54.7	61.4	70.3	77.0	77.4	79.4	79.8	80.3	81.9	81.9	82.4	82.4	82.5	82.5	82.6
GE 800		54.8	61.5	71.0	78.4	78.8	81.4	82.2	82.8	84.4	84.4	84.8	84.8	84.9	84.9	85.1
GE 700		55.2	61.8	71.8	79.6	80.0	83.2	84.5	85.2	87.4	87.4	87.8	87.8	88.0	88.0	88.1
GE 600		55.2	61.9	72.4	80.2	80.9	84.6	86.0	86.9	90.1	90.1	90.6	90.6	90.8	90.8	90.9
GE 500		55.2	61.9	72.5	80.6	81.3	85.4	86.8	88.2	92.2	92.2	92.9	93.1	93.3	93.3	93.4
GE 400		55.2	61.9	72.5	80.6	81.3	85.6	87.1	88.7	93.4	93.7	94.4	94.7	94.9	94.9	95.1
GE 300		55.2	61.9	72.5	80.6	81.3	85.8	87.6	89.9	95.5	95.7	96.7	97.2	97.5	97.8	98.3
GE 200		55.2	61.9	72.5	80.6	81.3	85.8	87.6	89.9	95.5	95.7	96.7	97.2	97.8	98.5	100.0
GE 100		55.2	61.9	72.5	80.6	81.3	85.8	87.6	89.9	95.5	95.7	96.7	97.2	97.8	98.5	100.0
GE 0		55.2	61.9	72.5	80.6	81.3	85.8	87.6	89.9	95.5	95.7	96.7	97.2	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: DEC HOURS(LST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		14.0	16.1	19.1	19.9	19.6	20.5	21.0	21.0	21.5	21.5	21.6	21.8	21.9	22.0	22.0	
GE 20000		15.7	17.8	21.1	22.0	22.0	22.8	23.2	23.2	23.9	23.9	24.0	24.2	24.3	24.4	24.4	
GE 18000		15.7	17.8	21.1	22.0	22.0	22.8	23.2	23.2	23.9	23.9	24.0	24.2	24.3	24.4	24.4	
GE 16000		15.7	17.8	21.1	22.0	22.0	22.8	23.2	23.2	23.9	23.9	24.0	24.2	24.3	24.4	24.4	
GE 14000		15.9	18.1	21.3	22.3	22.3	23.0	23.4	23.4	24.1	24.1	24.2	24.4	24.5	24.6	24.6	
GE 12000		16.3	18.5	21.7	22.7	22.7	23.4	23.9	23.9	24.6	24.6	24.7	24.9	25.1	25.2	25.2	
GE 10000		17.5	20.1	23.9	25.1	25.1	25.8	26.3	26.3	27.1	27.1	27.2	27.5	27.6	27.7	27.7	
GE 9000		18.0	20.5	24.3	25.5	25.5	26.2	26.8	26.8	27.5	27.5	27.6	28.0	28.1	28.2	28.2	
GE 8000		18.8	21.4	25.2	26.3	26.3	27.1	27.8	27.8	28.6	28.6	28.7	29.0	29.1	29.2	29.2	
GE 7000		19.0	21.6	25.4	26.6	26.6	27.4	28.2	28.2	28.9	29.0	29.1	29.5	29.8	29.9	29.9	
GE 6000		19.1	21.8	25.6	26.8	26.8	27.6	28.4	28.4	29.1	29.2	29.4	29.7	30.0	30.1	30.1	
GE 5000		20.6	23.4	27.2	28.4	28.4	29.2	30.2	30.2	31.0	31.1	31.2	31.5	31.8	31.9	31.9	
GE 4500		23.5	26.3	30.3	31.6	31.6	32.5	33.4	33.5	34.3	34.4	34.5	34.8	35.2	35.3	35.3	
GE 4000		27.0	30.0	34.0	35.7	35.7	36.6	37.5	37.6	38.4	38.5	38.6	38.9	39.2	39.4	39.4	
GE 3500		29.8	33.0	37.0	38.7	38.8	39.7	40.6	40.9	41.9	42.0	42.3	42.6	42.9	43.0	43.0	
GE 3000		36.0	39.8	44.7	46.5	46.7	47.5	48.6	48.9	50.4	50.6	50.9	51.2	51.6	51.7	51.7	
GE 2500		40.1	44.3	49.9	52.0	52.3	53.1	54.2	54.5	56.1	56.3	56.6	56.9	57.3	57.4	57.4	
GE 2000		44.4	49.5	56.2	58.7	58.9	59.8	61.1	61.4	63.1	63.3	63.5	63.9	64.3	64.4	64.4	
GE 1800		44.8	49.9	56.8	59.4	59.6	60.4	61.7	62.0	63.8	64.0	64.2	64.5	64.9	65.1	65.1	
GE 1500		47.7	53.7	61.6	64.6	64.8	66.0	67.4	67.7	69.5	69.7	69.9	70.2	70.6	70.8	70.8	
GE 1200		50.4	57.0	66.2	69.8	70.0	71.2	72.6	72.9	74.7	74.9	75.2	75.5	75.9	76.0	76.0	
GE 1000		51.7	58.5	69.6	73.2	73.7	74.9	76.6	76.9	79.0	79.2	79.5	79.8	80.2	80.3	80.3	
GE 900		52.3	59.0	70.9	74.9	75.4	76.7	78.3	78.7	80.9	81.1	81.3	81.6	82.0	82.2	82.2	
GE 800		52.5	59.2	71.8	76.7	77.1	78.7	80.5	81.1	83.4	83.7	83.9	84.2	84.6	84.7	84.7	
GE 700		52.8	59.6	72.6	78.0	78.4	80.5	82.6	83.2	85.9	86.1	86.3	86.7	87.1	87.2	87.2	
GE 600		52.8	59.6	72.8	78.4	79.1	81.9	84.2	85.2	88.8	89.0	89.6	90.0	90.4	90.5	90.5	
GE 500		52.8	59.6	72.8	78.4	79.2	82.4	84.9	86.1	91.4	91.6	92.2	92.6	93.0	93.1	93.1	
GE 400		52.8	59.6	72.8	78.4	79.2	82.6	85.4	86.8	92.5	92.7	93.3	93.8	94.2	94.3	94.3	
GE 300		52.8	59.6	72.8	78.4	79.2	82.6	85.5	87.1	94.3	95.1	95.8	96.2	97.0	97.1	97.1	
GE 200		52.8	59.6	72.8	78.4	79.2	82.6	85.5	87.1	94.4	95.4	96.3	96.8	97.6	98.2	98.9	
GE 100		52.8	59.6	72.8	78.4	79.2	82.6	85.5	87.1	94.4	95.4	96.3	96.9	98.2	98.7	99.7	
GE 0		52.8	59.6	72.8	78.4	79.2	82.6	85.5	87.1	94.4	95.4	96.5	97.0	98.3	98.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: DEC HOURS(IST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	I		12.9	14.3	16.5	17.6	17.7	18.2	18.5	18.7	19.0	19.1	19.1	19.2	19.3	19.6	19.7
GE 20000	I		14.5	16.2	18.7	20.1	20.2	20.8	21.2	21.4	21.7	21.9	21.9	22.0	22.1	22.4	22.5
GE 18000	I		14.5	16.3	18.8	20.2	20.3	20.9	21.3	21.5	21.8	22.0	22.0	22.1	22.2	22.5	22.6
GE 16000	I		14.5	16.3	18.8	20.2	20.3	20.9	21.3	21.5	21.8	22.0	22.0	22.1	22.2	22.5	22.6
GE 14000	I		14.7	16.5	19.0	20.3	20.5	21.1	21.4	21.7	22.0	22.2	22.2	22.3	22.4	22.7	22.8
GE 12000	I		14.9	16.7	19.2	20.6	20.8	21.4	21.7	22.0	22.4	22.5	22.5	22.6	22.7	23.0	23.1
GE 10000	I		16.0	17.9	20.6	22.2	22.3	23.0	23.1	23.6	24.0	24.1	24.1	24.2	24.4	24.7	24.8
GE 9000	I		16.2	18.3	21.0	22.6	22.7	23.4	23.8	24.1	24.4	24.5	24.6	24.7	24.8	25.1	25.2
GE 8000	I		17.3	19.4	22.3	23.9	24.1	24.8	25.2	25.5	25.9	26.0	26.0	26.1	26.3	26.5	26.7
GE 7000	I		17.7	19.9	22.6	24.5	24.7	25.6	25.9	26.3	26.6	26.7	26.8	26.9	27.1	27.4	27.5
GE 6000	I		17.9	20.1	23.0	24.7	24.9	25.8	26.2	26.5	26.8	27.0	27.0	27.1	27.3	27.6	27.7
GE 5000	I		19.3	21.6	24.7	26.5	26.8	27.6	28.1	28.4	28.8	28.9	29.0	29.1	29.2	29.5	29.7
GE 4500	I		21.4	23.8	27.2	29.2	29.4	30.3	30.8	31.1	31.5	31.6	31.7	31.8	32.0	32.3	32.4
GE 4000	I		25.0	27.7	31.5	33.6	34.0	34.9	35.4	35.8	36.3	36.5	36.5	36.6	36.8	37.1	37.3
GE 3500	I		28.2	31.1	35.1	37.3	37.8	38.7	39.2	39.6	40.2	40.3	40.4	40.5	40.8	41.0	41.2
GE 3000	I		33.4	36.8	41.4	43.8	44.2	45.3	45.9	46.4	47.1	47.3	47.4	47.5	47.8	48.1	48.3
GE 2500	I		37.1	40.7	45.5	48.3	48.8	49.9	50.6	51.1	51.9	52.1	52.2	52.3	52.5	52.8	53.1
GE 2000	I		43.0	47.3	53.0	56.1	56.6	58.1	58.9	59.4	60.3	60.5	60.6	60.8	61.0	61.3	61.6
GE 1800	I		44.0	48.3	54.2	57.4	57.9	59.5	60.3	60.8	61.8	62.0	62.1	62.3	62.5	62.8	63.1
GE 1500	I		48.2	53.5	60.5	64.1	64.6	66.5	67.4	67.9	69.0	69.2	69.3	69.5	69.7	70.1	70.3
GE 1200	I		50.5	56.1	64.3	68.2	68.7	70.8	71.7	72.3	73.5	73.7	73.8	73.9	74.2	74.5	74.7
GE 1000	I		52.3	58.3	68.2	72.5	73.1	75.6	76.6	77.2	78.6	78.8	78.9	79.1	79.4	79.7	79.9
GE 900	I		52.5	58.6	69.1	73.8	74.4	77.0	78.1	78.8	80.2	80.4	80.5	80.6	80.9	81.2	81.4
GE 800	I		52.8	59.1	70.1	75.3	76.0	79.0	80.2	81.0	82.6	82.8	82.9	83.1	83.4	83.7	83.9
GE 700	I		53.2	59.5	71.1	76.7	77.4	80.9	82.4	83.4	85.3	85.6	85.7	85.9	86.1	86.4	86.7
GE 600	I		53.2	59.6	71.5	77.5	78.4	82.4	84.2	85.6	88.5	88.7	88.9	89.2	89.4	89.7	89.9
GE 500	I		53.2	59.6	71.9	78.0	79.0	83.5	85.9	87.7	91.5	91.7	92.0	92.3	92.6	92.9	93.1
GE 400	I		53.2	59.6	72.0	78.2	79.2	84.0	86.7	88.6	92.8	93.1	93.4	93.9	94.2	94.5	94.7
GE 300	I		53.2	59.6	72.0	78.2	79.2	84.0	86.9	89.1	94.4	95.0	95.5	96.0	96.4	96.8	97.1
GE 200	I		53.2	59.6	72.0	78.2	79.2	84.0	86.9	89.1	94.8	95.5	96.0	96.7	97.4	98.2	98.8
GE 100	I		53.2	59.6	72.0	78.2	79.2	84.0	86.9	89.1	94.9	95.7	96.2	97.0	98.0	99.0	99.8
GE 0	I		53.2	59.6	72.0	78.2	79.2	84.0	86.9	89.1	94.9	95.7	96.2	97.1	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106140 STATION NAME: RAMSTEIN AB GERMANY

PERIOD OF RECORD: 74-83
MONTH: ALL HOURS(LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	I	26.7	28.4	30.8	31.9	32.0	32.7	33.2	33.4	34.1	34.2	34.3	34.5	34.7	35.1	35.4	
GE 20000	I	30.8	32.8	35.5	36.7	36.9	37.6	38.2	38.5	39.3	39.4	39.5	39.7	40.0	40.3	40.7	
GE 18000	I	31.0	33.0	35.7	36.9	37.1	37.9	38.4	38.7	39.5	39.6	39.7	39.9	40.2	40.6	40.9	
GE 16000	I	31.1	33.0	35.8	36.9	37.1	37.9	38.4	38.7	39.5	39.7	39.8	40.0	40.2	40.6	41.0	
GE 14000	I	31.2	33.2	36.0	37.1	37.3	38.1	38.7	38.9	39.7	39.9	40.0	40.2	40.5	40.8	41.2	
GE 12000	I	31.7	33.6	36.5	37.6	37.8	38.6	39.2	39.5	40.3	40.4	40.5	40.7	41.0	41.4	41.7	
GE 10000	I	33.5	35.6	38.5	39.8	40.0	40.8	41.4	41.7	42.5	42.6	42.7	42.9	43.2	43.6	44.0	
GE 9000	I	34.1	36.3	39.3	40.5	40.7	41.5	42.1	42.4	43.3	43.4	43.5	43.7	44.0	44.4	44.8	
GE 8000	I	36.7	39.0	42.3	43.7	43.9	44.8	45.4	45.7	46.6	46.8	46.9	47.1	47.4	47.8	48.2	
GE 7000	I	37.6	40.0	43.4	44.8	45.0	45.9	46.6	46.9	47.8	47.9	48.1	48.3	48.6	49.0	49.4	
GE 6000	I	38.0	40.4	43.8	45.2	45.5	46.4	47.0	47.4	48.3	48.4	48.5	48.8	49.1	49.5	49.8	
GE 5000	I	40.4	42.9	46.6	48.1	48.3	49.3	50.0	50.3	51.3	51.5	51.6	51.8	52.1	52.6	52.9	
GE 4500	I	43.8	46.5	50.4	52.0	52.3	53.3	54.0	54.4	55.4	55.6	55.7	55.9	56.3	56.7	57.1	
GE 4000	I	47.8	50.7	54.9	56.7	57.0	58.1	58.9	59.3	60.3	60.5	60.6	60.9	61.2	61.7	62.1	
GE 3500	I	51.2	54.4	58.9	60.8	61.1	62.3	63.1	63.5	64.6	64.8	64.9	65.2	65.5	66.0	66.4	
GE 3000	I	56.7	60.2	65.4	67.5	67.9	69.2	70.1	70.6	71.9	72.1	72.2	72.5	72.9	73.3	73.7	
GE 2500	I	58.9	62.6	68.1	70.3	70.7	72.1	73.1	73.6	74.9	75.1	75.2	75.5	75.9	76.3	76.7	
GE 2000	I	61.8	65.8	71.7	74.2	74.6	76.1	77.2	77.7	79.1	79.3	79.4	79.7	80.1	80.5	80.9	
GE 1800	I	62.5	66.6	72.6	75.1	75.5	77.1	78.2	78.7	80.1	80.3	80.4	80.7	81.1	81.5	81.9	
GE 1500	I	65.2	69.6	76.3	79.2	79.6	81.4	82.6	83.1	84.6	84.9	85.0	85.3	85.7	86.2	86.6	
GE 1200	I	66.4	71.0	78.4	81.5	82.0	83.9	85.1	85.8	87.4	87.6	87.8	88.0	88.4	88.9	89.3	
GE 1000	I	67.2	72.1	80.0	83.4	84.0	86.1	87.4	88.1	89.8	90.1	90.3	90.5	90.9	91.4	91.8	
GE 900	I	67.4	72.4	80.5	84.1	84.7	86.9	88.3	89.0	90.8	91.0	91.2	91.5	91.9	92.4	92.8	
GE 800	I	67.6	72.7	81.0	84.9	85.4	87.7	89.2	89.9	91.9	92.1	92.3	92.6	93.0	93.5	93.9	
GE 700	I	67.7	72.8	81.4	85.3	85.9	88.4	90.0	90.8	92.9	93.2	93.4	93.7	94.1	94.6	95.0	
GE 600	I	67.7	72.8	81.5	85.5	86.2	88.8	90.6	91.5	93.8	94.1	94.3	94.7	95.1	95.5	96.0	
GE 500	I	67.8	72.9	81.6	85.6	86.4	89.1	91.0	92.0	94.6	94.9	95.2	95.5	96.0	96.4	96.9	
GE 400	I	67.8	72.9	81.6	85.7	86.4	89.2	91.3	92.3	95.1	95.4	95.7	96.1	96.6	97.1	97.5	
GE 300	I	67.8	72.9	81.6	85.7	86.4	89.3	91.4	92.5	95.5	95.9	96.3	96.7	97.2	97.8	98.3	
GE 200	I	67.8	72.9	81.6	85.7	86.4	89.3	91.4	92.5	95.7	96.1	96.5	97.0	97.6	98.4	99.2	
GE 100	I	67.6	72.9	81.6	85.7	86.4	89.3	91.4	92.5	95.7	96.2	96.6	97.1	97.8	98.6	99.8	
GE	0	67.6	72.9	81.6	85.7	86.4	89.3	91.4	92.5	95.7	96.2	96.6	97.1	97.8	98.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 97626

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 105147 PAMSTEIN AB GERMANY
 STATION STATION NAME

DAILY TEMPERATURES

02-33

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100							.1						.3
95						.4	1.3	.1					.2
90						1.4	4.8	1.3					.6
85				.2	1.5	4.0	12.7	5.9	1.1				.2
80				.5	5.3	14.8	25.5	20.4	5.3				5.0
75			.2	7.1	15.2	32.1	44.0	39.4	18.2	1.3			12.8
70			.7	5.7	29.4	52.4	64.5	61.3	39.3	4.9			21.9
65		.3	4.7	19.1	45.3	72.5	85.1	84.6	62.5	14.7	.4	.1	32.5
60		1.4	12.2	38.5	77.0	91.5	97.0	95.3	85.2	34.6	2.4		44.3
55	.9	5.1	24.5	57.5	88.5	98.6	100.0	100.0	95.7	51.1	11.7	2.0	64.2
50	5.2	15.7	45.3	75.6	97.4	99.9			99.9	83.8	20.2	10.0	4.2
45	19.9	35.1	70.5	92.9	99.5	100.0			100.0	95.7	55.1	25.0	74.8
40	38.2	55.5	85.2	99.3	100.0					99.4	77.3	44.1	43.5
35	55.9	77.3	95.9	100.0						100.0	73.4	71.5	92.1
30	64.4	92.5	99.5								99.7	90.1	77.2
25	43.9	95.9	99.9								100.0	96.8	99.0
20	27.3	98.9	100.0									99.4	99.7
15	99.3	99.9										100.0	100.0
10	100.0	99.9											100.0
5		100.0											100.0
0													
MEAN	37.3	40.9	49.0	55.6	64.6	70.4	73.8	72.7	67.4	55.7	45.6	38.9	56.2
S D	7.931	8.553	8.539	8.775	8.733	8.236	6.705	7.579	7.460	7.516	7.256	7.785	15.310
TOTAL OBS	961	875	991	960	992	960	957	965	960	992	960	992	11555

DAILY TEMPERATURES

52-13

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

-141424

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
70							.1						.1
65						.3	.9	.1	.2				.1
60					.5	3.7	11.3	7.4	1.2	.4			2.3
55					3.7	24.5	37.8	33.1	12.3	2.7			9.5
50		.1	1.1	3.0	19.5	52.9	74.2	59.0	37.3	12.0	2.2	.4	22.5
45	1.7	2.1	5.0	12.3	44.0	78.4	92.0	85.7	52.9	31.1	8.3	3.3	35.7
40	3.2	5.3	15.0	30.4	57.4	94.4	98.9	97.4	93.3	50.3	24.5	12.0	49.5
35	24.7	23.4	37.5	55.8	88.9	99.2	100.0	99.9	95.3	75.9	50.2	30.7	65.4
30	53.9	33.0	45.3	55.5	93.4	99.7		100.0	99.1	92.7	60.5	41.5	71.5
25	49.5	48.9	53.1	92.1	98.1	100.0			99.7	90.5	76.4	55.7	80.6
20	53.5	58.9	83.5	95.7	99.9				100.0	98.5	91.5	74.2	90.3
15	73.9	82.1	92.7	99.9	100.0					99.9	97.4	84.2	94.7
10	37.7	70.4	97.4	100.0						100.0	99.7	92.5	97.4
5	93.3	93.5	99.1								100.0	95.9	98.5
0	97.1	98.1	99.3									99.3	99.4
-5	99.3	98.5	100.0									100.0	99.8
-10	99.3	99.5											99.9
-15	100.0	100.0											100.0
MEAN	27.4	27.5	31.7	35.9	43.0	49.5	52.6	51.5	46.4	40.1	34.6	29.6	39.2
S D	10.144	10.512	8.155	6.341	5.735	5.080	5.534	5.553	5.697	7.687	7.373	9.203	11.719
TOTAL OBS	951	875	991	950	992	960	957	955	950	992	960	992	11565

USAFETAC FORM 0-21-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

135147 RAMSTEIN AB GERMANY

STATION

STATION NAME

52-33

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

5. 2. 2. 1.

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
30						.2	.3						.1
75					.1	.7	4.3	.3	.1				.5
70					.9	5.4	15.6	15.9	.5				2.3
65				.1	5.3	23.9	39.6	32.1	12.3	.5			9.3
60			.5	2.8	20.2	53.1	72.0	69.9	34.3	4.5			21.5
55		.2	1.8	10.3	45.7	82.9	95.5	84.0	66.8	16.9	2.1	.3	74.9
50	.7	1.3	9.2	35.5	75.2	97.0	100.0	99.7	91.2	45.3	5.4	1.5	47.2
45	5.6	10.5	32.1	59.5	93.9	99.9		100.0	93.7	72.5	27.6	10.1	54.6
40	21.2	27.1	53.1	85.0	99.3	100.0			100.0	92.3	54.1	29.1	72.5
35	45.1	54.5	51.9	98.3	100.0					99.5	80.3	52.5	84.6
30	59.4	76.0	92.7	100.0						100.0	94.3	75.1	92.4
25		82.5	89.5	93.3							99.4	83.1	76.5
20		92.1	93.9	99.5							99.9	95.2	94.5
15		95.3	95.9	100.0							100.0	99.0	99.4
10		99.2	99.1									99.9	99.9
5		99.9	99.8									100.0	100.0
0	100.0	100.0											100.0
MEAN	32.5	34.5	40.5	46.5	54.1	52.2	53.5	52.3	57.2	48.5	40.3	34.5	47.9
S D	8.592	8.555	7.112	5.475	5.343	5.901	5.001	5.239	5.590	5.327	6.593	8.053	12.330
TOTAL OBS	951	875	991	950	992	960	957	955	950	992	960	992	11565

USAFETAC

FORM 11-11-11

0-21.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/44C

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

136143 HAMSTEIN AB GERMANY
STATION STATION NAME

52-83

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
52			62	78	79	94	100	94	71	63	52	50	
53	44	55	70	73	89	83	85	91	86	74	60	66	91
54	52	49	54	56	82	89	81	88	87	69	51	51	89
55	52	50	73	82	81	85	90	83	79	67	65	53	90
56	51	41	56	59	87	77	90	86	77	77	51	56	90
57	51	51	56	72	78	93	98	85	80	71	61	50	98
58	52	54	54	67	80	83	85	88	94	66	54	52	88
59	55	51	59	79	73	84	95	86	86	74	53	54	95
60	55	57	54	72	80	87	79	84	74	70	59	53	87
61	55	55	71	77	76	85	89	87	86	72	54	58	89
62	52	48	55	79	75	82*	87	91	97	77	59	50	91
63	40	42	57	68	77	79	86	85	76	56	65	45	86
64	42	57	56	74	83	91	95	89	84	70	58	53	95
65	49	41	55	67	91	86	84	82	77	59	59	55	86
66	55	59	56	69	91	87	82	91	82	79	55	50	91
67	55	57	63	71	85	90	92	88	81	75	60	52	92
68	50	50	76	85	79	95	92	79	76	72	68	47	90
69	47	50	56	72	88	81*	83*	68	72	70	62	40	88
70	47	49	56	76	74	86	85	88	76	72	61	52	88
71	51	48	55	77	82	75	89	93	82	75	57	55	90
72	55	57	59	73	78	84	89	84	75	69	66	53	89
73	46	50	71	65	80	84	87	87	87	69	57	46	87
74	53	55	73	75	80	82	86	96	80	51	60	55	96
75	55	55	57	75	78	85	89	91	82	52	59	48	91
76	50	59	54	75	87	98	98	87	77	71	55	48	98
77	51	53	58	69	72	81	87	84	80	75	64	55	91
78	40	59	54	68	77	84	89	84	78	78	53	55	89
79	39	50	53	68	87	85	87	84	81	77	54	57	87
80	46	54	51	70	72	81	85	88	79	64	59	48	88
81	46	48	56	72	82	82	84	85	81	65	59	48	86
MEAN													
S D													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

W (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

130143	RAMSTEIN AB	GERMANY
STATION		STATION NAME

52-33

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

1. (AT LEAST ONE DAY LESS THAN 24 HRS)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

125143 STATION RAMSTEIN AB GERMANY

52-33

YEARS

WOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
52			*	23	24	29	35	38	40	31	25	20	10
53	12.	-1.	23.	23.	26.	34.	42.	40.	32.	25.	24.	22.	-1
54	1	1	24	23	30	40	40	43	35	32	19	24	1
55	13.	8.	12.	23.	30.	37.	43.	43.	32.	21.	17.	17.	8
56	1	-9	14	22	29	37	47	38	37	31	12	14	-9
57	5.	22.	19.	27.	25.	37.	46.	38.	32.	27.	25.	16.	5
58	9	15	7	19	33	39	42	41	39	30	29	13	7
59	9.	13.	23.	23.	33.	37.	45.	37.	31.	24.	27.	20.	9
60	-7	9	25	25	24	40	37	44	30	29	26	18	-7
61	11.	23.	22.	37.	33.	43.	39.	43.	38.	25.	16.	7.	7
62	10	11	15	28	27	31*	35	39	33	24	24		0
63	-5.	-8.	4.	24.	28.	42.	40.	35.	32.	26.	27.	4.	-8
64	5	12	14	27	35	39	41	36	33	24	25	12	3
65	19.	7.	5.	26.	29.	41.	45.	39.	33.	21.	15.	20.	5
66	5	23	13	26	31	38	44	38	32	24	17	20	0
67	8.	11.	22.	21.	25.	37.	43.	41.	39.	28.	23.	14.	8
68	-5	20	21	21	30	39	44	42	39	30	28	5	-8
69	15.	5.	19.	24.	33.	39*	42*	50.	34.	32.	19.	6.	5
70	19	4	12	24	32	35	39	40	32	24	23	8	4
71	-2	15.	3.	24.	37.	39.	39.	42.	30.	24.	15.	21.	-2
72	6	5	17	26	33	35	42	42	28	17	23	8	6
73	8.	17.	19.	24.	30.	37.	45.	39.	33.	23.	10.	0.	0
74	24	19	23	26	35	37	39	42	33	28	24	23	19
75	21	19.	19.	23.	30.	33.	42.	46.	44.	28.	17.	8.	8
76	3	17	10	23	30	37	44	42	35	24	21	5	3
77	21.	15.	17.	23.	32.	39.	39.	44.	35.	33.	17.	15.	15
78	21	3	24	23	37	37	42	37	35	30	23	12	3
79	1	17.	21.	26.	29.	42.	37.	37.	34.	27.	21.	27.	1
80	9	21	21	28	33	41	41	34	39	30	21	9	9
81	12.	12.	27.	23.	23.	41.	45.	39.	37.	32.	18.	7.	7
MEAN													
S D													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-68-3 (OLA)

1ST LAST DAY (LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
JSAFETAC
AIR WEATHER SERVICE/MAC

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

105143	RAMSTEIN AB	GERMANY
STATION		STATION NAME

52-43

YEARS

*HOLE DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-9 (OLA)

(AT LEAST ONE DAY LESS THAN 24 HRS)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

138140
STATION

KANSTEIN AB GERMANY
STATION NAME

74-63
YEARS

YEARS

JAN
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
47/53		.1																1	1		
52/51		.9			.1	.1												10	10	2	
50/49		.6	.4	.2	.3													15	15	7	4
47/47		1.1	1.4	.2	.3													28	28	6	7
45/45		1.9	2.1	1.0														46	46	12	11
44/43	.3	1.4	2.7	.8	.1													49	49	37	18
42/41		3.5	3.6	.1														16	66	50	14
40/39	.2	3.7	3.1	.3														42	62	63	35
37/37	.9	4.4	3.0	.3														5	30	78	53
35/35	.8	6.8	2.1															89	89	93	61
34/33	1.3	6.2	2.2															85	89	111	58
32/31	1.5	5.6	1.4															79	79	97	91
30/29	1.0	7.8	.3															42	32	95	101
23/27	1.2	4.3	.3															14	55	68	102
25/25	1.5	2.2	.4															39	41	49	74
24/22	.9	.9	.2															16	18	27	56
22/21	1.1	.6																15	15	19	44
20/19	1.6	1.4																28	29	24	19
19/17	.8	1.8																24	24	26	21
16/15	.2	.5																7	7	12	21
14/13	.2	1.5																15	16	16	25
13/11	.3	.5																8	8	6	10
10/7	.2	.6																10	10	11	18
8/7	.3	.2																5	5	7	9
5/5	.5																	5	5	5	8
4/3																					
2/1																					
0/-1																					
TOTAL	14.9	57.9	23.2	3.0	.9													925	925	925	925
Element (X)	ΣX ²		ΣX		X	ΣX		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.	6305120		75864		82.1	9.485		925		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb	1114252		30988		33.4	9.260		928			39.4					93					
Wet Bulb	990623		29215		31.6	8.573		925			46.7					93					
Dew Point	918351		26233		28.4	8.972		925		.1	61.7					93					

USAFETAC FORM 44 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

175140 LANSTEIN AB GERMANY
STATION STATION NAME

74-83

YEARS

JAN
MONTH

PAGE 1 1500-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
54/ 53		.1																		1	1			
52/ 51		.5																		5	5	5		
50/ 49		.1	.1			.1														3	3	3	3	
48/ 47		1.5	.2		.2															25	25	8	7	
46/ 45		2.5	3.0	.1	.3															15	15	7	13	
44/ 43	.3	1.4	1.2	.1																34	34	46	19	
42/ 41	.1	3.5	4.9	.3																1	61	32	23	
40/ 39	.3	4.1	2.5	.4																5	69	59	46	
38/ 37	.4	2.9	3.5	.1																4	64	75	57	
36/ 35	.6	5.7	3.1	.2																9	99	70	69	
34/ 33	.6	5.7	2.0																	8	38	131	72	
32/ 31	.2	5.7	.2																	6	62	173	74	
30/ 29	.4	7.2	.3																	74	74	97	104	
28/ 27	2.3	5.2	.3																	72	73	69	131	
26/ 25	.5	3.5	.7																	2	44	45	68	
24/ 23	.8	1.8	.1																	25	15	39	57	
22/ 21	.2	.1	.2																	11	11	20	45	
20/ 19	1.0	1.3																		1	21	11	29	
18/ 17	.5	1.3																		2	22	36	10	
16/ 15	.1	1.4																		14	14	14	13	
14/ 13		1.4																		1	17	13	24	
12/ 11	.4	1.0																		1	13	9	15	
10/ 9	1.0	.2																		17	17	17	25	
8/ 7	.2	.2																		4	4	7	11	
6/ 5	.3	.2																			5	5	8	
4/ 3	.2																				3	3	7	
2/ 1																							7	
0/ -1																								
TOTAL	12.16	1.2	24.2	1.5	.4															927	93	927	927	
																				</				

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

143	AMST-IV AB GERMANY
STATION	STATION NAME

74-33

YEARS

MONTH

PAGE 1 2670-0600
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
51		.7																						
50		.5	.1																					
49		.3																						
48		.1	1.5	.4	.3																			
47	.1	2.8	1.6																					
46	.3	1.7	1.9	.3	.1																			
45	.5	2.7	4.5	.2																				
44	.7	4.5	3.2																					
43	1.0	3.1	2.7	.1																				
42	.4	5.7	2.3	.1																				
41	1.1	5.0	3.0																					
40	1.0	5.0	1.5																					
39	.5	7.6	.3																					
38	2.7	5.8	.1																					
37	.3	3.1																						
36	.5	1.7																						
35	1.1	.5																						
34	1.5	1.5																						
33	.1	2.1																						
32	.1	1.5																						
31		.6																						
30	.4																							
29	1.2	.3																						
28		.5																						
27	.5	.1																						
26	.4	.1																						
25	.1																							
24																								
23																								
22																								
21																								
20																								
19																								
18																								
17																								
16																								
15																								
14																								
13																								
12				</																				

PSYCHROMETRIC SUMMARY

YEARS

MONTH

DATE 1-20-68 HOURS (L. S. T.) 1100-1100

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

13
MONTH

DATE: 12-22-14
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-83

YEARS

MONTH

135-2105
HOURS 11. 5. 7.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

21°C 2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1-147	RAMSTEIN AB GERMANY
STATION	STATION NAME

74-03

YEARS

MONTH

- 2 -

411

HOURS 11 5. 2

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

1000-0200
HOURS (L. S. T.)

[illegible]

METEOROLOGICAL CLIMATOLOGY BRANCH
 METEOROLOGICAL
 AND WEATHER SERVICE/44AC

PSYCHROMETRIC SUMMARY

10147	AMSTEFIN AB GERMANY
STATION	STATION NAME

74-92

YEARS

MONTH

3300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
1147	HAUSTON AS DEWANI

74-35

YEARS

53

MONTH

- 45 -

2602-0800
HOLAS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1 1140	HEINSTEIN 42 GERMANY
STATION	STATION NAME

74-53

YEARS

FEB
MONTH

PAGE 1 0900-1100
HOURS 11-1-11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
47/53				.1														1	1																
47/51	.4																	2	2	3	3														
47/49		.1		.1	.1													3	3	1	1														
47/47			.4		.1													3	3	1	1														
45/45		5.5	1.2	.7														3	43	14	4														
44/43		2.3	2.4															4	44	32	12														
42/41	.1	4.4	1.5	.1														4	46	50	36														
41/39		4.6	.3	.2														4	44	45	31														
41/37	.4	3.7	2.1	.2														4	44	46	28														
40/35	.3	5.3	4.4	.1														5	48	15	8														
34/33	.7	5.7	4.7	.1														1	41	25	6														
31/31	.6	4.1	1.6	.1														3	32	112	39														
29/29	.5	7.5	2.5	.5														7	27	94	54														
29/27	.2	9.7	1.4	.4														1	3	123	99	123													
28/25	.3	4.1	.3															4	46	95	66														
28/23	.1	2.7	.1															2	25	42	27														
22/21	.7	2.1																2	25	71	57														
17/19	.9	1.1	.2															1	12	27	5														
17/17	.4	.6																5	13	1	32														
16/15		.8																7	7	9	38														
14/13		.1																1	1	7	7														
11/11	.1																	1	1	2	14														
10/7		.5																2	2	1	2														
7/7		.1																1	1	1	1														
5/5																		1	1	1	1														
2/2		.1																1	1	1	1														
1/1																																			
0/-1																																			
-1/-3																																			
-4/-5																																			
TOTAL	2.5	62.6	24.2	2.7	.2													46		94	846														

Element (X)	Σ x'	Σ x	Σ	Σ ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5604715	56304	83.7	10.121	946	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	555554	27713	32.3	7.493	946		41.5					94
Wet Bulb	352351	26149	33.9	7.225	946		52.3					94
Dew Point	591386	23129	27.3	8.364	946	.3	59.5					84

PSYCHROMETRIC SUMMARY

MONTH

1970-17 0
HOURS (L.S.I.)

[illegible]

PSYCHROMETRIC SUMMARY

4-53

YEARS

253

MONTH

-A 5F 1 1500-2000
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL											
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																					
57/57							.1											1	1																							
56/56					.1	.1																																				
54/57					.4	.4																																				
52/51		.1	.1	.1	1.2	.1																																				
47/46			.2	.2	.2	.2												1	11		1																					
47/47		.5	.3	1.5	.4	.1	.1													11	1																					
47/45		2.7	2.6	1.5	.5	.2	.1													10	11																					
44/43		2.5	2.4	1.4	.4	.1												5	10	42	11																					
42/41	.3	4.9	2.9	1.9	1.3	.7														63	37																					
40/39		4.3	3.1	1.1	.5															76	49																					
37/37	1.4	2.7	3.9	1.9	.8	.1												5	5	47	71																					
36/35	.2	3.2	6.3	1.3	.1													4	44	65																						
33/33		3.3	4.3	1.4														6	76	95	46																					
31/31	.4	3.1	4.3	.1														6	65	123	42																					
29/29	.1	5.3	3.7	.1														75	75	98	63																					
27/27	.2	4.1	2.1	.2														57	57	76	123																					
25/25	.1	.6	.6															11	11	71	66																					
24/22																				13	77																					
22/21																				5	71																					
20/17																					32																					
18/17																					17																					
16/15																					17																					
14/13																					3																					
12/11																					5																					
10/9																					5																					
TOTAL	3.0	35.9	32.7	13.6	5.9	1.3	.2											45	45	845	845																					
																													</													

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A)

0224

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

FE
MONTH

PAGE 21 3-23-60
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
27/ 51			.4		.5													7	7																
27/ 49				.3																															
17/ 47			.7	.2														7	7																
47/ 45	.2	1.5	1.4	.7														3	3	11	7														
44/ 43	.1	2.3	1.3	.4														3	4.3	29	2														
42/ 41	.4	4.7	2.1	.2														27	27	42	3														
37/ 35	.1	5.4	1.6															20	70	48	33														
36/ 37	1.2	4.6	2.1	.4														5	55	79	2														
35/ 35	.9	5.4	5.6	.8	.2													12	104	66	63														
34/ 33	.2	5.4	3.7	.4	.1													7	97	79	63														
32/ 31	.1	5.1	2.2	.2														6	65	170	45														
30/ 27	.2	6.7	3.7	.2															52	61	67														
27/ 27	1.3	5.5	5.7	.2														14	145	110	111														
25/ 25	.6	3.2	.4															3	33	109	78														
24/ 23	.2	1.1																1	11	36	85														
22/ 21	.2		.6															7		14	72														
20/ 19	.2	.1																	3	2	58														
18/ 17																					7														
15/ 15		.1																1	1		16														
14/ 13																				1	13														
12/ 11																																			
10/ 9																																			
7/ 7																					1														
TOTAL	5.755	9.31	5.4	.1	.8														45		545	846													

PSYCHROMETRIC SUMMARY

4-25

YEARS

F E
MONTH

DATE: ALL
HOURS: 11-5

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

JSAFETAC

PSYCHROMETRIC SUMMARY

170147	RAKSTEFIN 13 GERNAVY
STATION	STATION NAME

4-53

YEARS

153
MONTH

215

414

HOURS (L, S, T,)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
71.1	.45	1.2	.	5.4	7.7	1.7	.1											57.6	57.6		67.6													
																</																		

PSYCHROMETRIC SUMMARY

YEARS

44
MONTH

0407 1 1000-1000
HOURS (U.S.T.)

[illegible]

USAFETAC
FORM
NW 44
0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

43
MONTH

PAGE 1 0300-3500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
59				.1														1	1																	
57			.1															1	1																	
55		.1																1	1																	
53		.5	.1	.4														1	13	5																
51	1.7	1.4			.5													24	24	13																
49	.4	1.5	.2	.1														1	21	14	10															
47	1.7	1.5	.5															0	30	31	4															
45	.4	4.7	4.7	2.3		.7												102	102	34	30															
43	.2	1.9	3.5	1.1														3	55	53	33															
41		4.7	3.3	1.5														10	30	74	51															
39		7.3	2.4	.3	.2													15	25	21	42															
37	.6	4.4	3.3	1.0														16	26	29	70															
35		3.5	3.1	.5														15	65	23	92															
33	.5	4.1	2.5	.3	.1													22	72	79	82															
31	.1	5.4	2.5	.5	.2													12	102	102	53															
29	.8	5.3	.2	.1														2	65	91	69															
27	1.1	3.7	1.1															14	54	65	143															
25	.1	1.6	.5															1	21	45	58															
23		1.9	.9															24	24	26	67															
21	.2	.1	.1															4	6	14	23															
19	.1																	1	1	7	23															
17		.6																6	6	1	13															
15		.3																1	3	6	4															
13		.1																1	1	4	1															
11		.1																1	1	1	1															
9																					1															
7																																				
5																																				
TOTAL	4.252	5.5	33.1	9.0	.9	.3												930	930	930	930															

Element (X)	Σx ¹	Σx	\bar{x}	σ _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5837332	72918	78.4	11.370	930		26.2					93
Wet Bulb	1372457	35007	37.6	7.575	930		35.2					93
Dew Point	1200968	32718	35.2	7.324	930		50.7					93
	978350	29104	31.3	8.527	930							93

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

52 -
MONTH

600-2800
HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONTH

DATE 1 3-20-11
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
52/ 51						.1												1	1																		
51/ 50			.1															1	1																		
50/ 50				.2														1	1																		
50/ 55		.1	.2	.4	.2	.2												1	12	1																	
49/ 55		.3	.5	.5	.1	.1												2	17	3																	
49/ 51		1.0	2.3	.3	.8													14	16	11	3																
48/ 49		1.5	1.7	.3	.3													17	37	28	7																
48/ 47	.3	1.5	1.5	1.5	.2	.1												14	44	56	29																
48/ 45	.1	3.3	3.3	1.9	.4													15	43	45	53																
44/ 45	.1	2.5	3.3	2.2	.1													15	76	51	42																
42/ 41	.1	4.3	3.1	2.2	.2													17	32	69	47																
40/ 39	.2	7.4	4.2	2.2														13	130	3	43																
38/ 37	.6	4.3	3.2	.5														3	87	120	69																
38/ 35		5.9	3.3	.9	.1													12	82	113	108																
34/ 33	.5	3.9	2.5	.3														6	55	110	83																
32/ 31	.2	2.4	1.3	.4	.1													45	46	85	75																
30/ 29	.1	1.9	1.5	.5														12	32	45	89																
28/ 27	.1	2.2	.4	.1														28	26	41	116																
26/ 25	.2	.8	.5															15	15	32	56																
24/ 23		.9	.4															12	12	17	34																
22/ 21		.3																5	7	15	22																
20/ 19	.1	.2																3	1	6	13																
18/ 17																					12																
16/ 15		.2																1	2		46																
14/ 13																					4																
12/ 11		.1																1	1	1	3																
10/ 9		.1																1	1	1	3																
8/ 7																					4																
6/ 5																					2																
TOTAL	2.2	45.6	34.1	14.3	2.9	.4												930	331	930	921																

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-13

YEARS

MONTH

1276-1445
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
67/ 55						.1	.2																												
47/ 63					.1	.2	.1																												
27/ 51				.1	.4	.2	.1																												
10/ 59			.1	1.2	.4	.4	.3	.1																											
27/ 57		.1	.1	1.1	.4	.7	.2	.2																											
57/ 56		.1	1.1	.7	.5	.6		.1																											
14/ 53	.1	.2	1.4	1.1	1.4	.6	.2																												
27/ 51		.3	2.5	.8	1.3	.7	.4																												
40/ 49		1.0	.8	2.2	1.0	.7	.1																												
46/ 47		1.4	2.2	3.3	.5	.7	.2																												
47/ 46	.1	2.4	5.3	5.1	2.6	.5	.3																												
44/ 43		.6	5.7	4.3	1.4	.1																													
47/ 41	.2	2.2	3.1	2.0	1.1	.9	.2																												
40/ 39	.1	2.3	3.4	1.7	.8	.2																													
37/ 37		1.7	2.5	1.2	.2	.7																													
36/ 36	.1	1.9	1.3	.3	1.0																														
34/ 33	.1	.5	.6	.4	.1																														
32/ 31		.1	.4	.4																															
30/ 29				.7																															
27/ 27			.5																																
25/ 25																																			
24/ 23																																			
22/ 21																																			
20/ 19																																			
18/ 17																																			
16/ 15																																			
14/ 13																																			
12/ 11																																			
10/ 9																																			
8/ 7																																			
6/ 5																																			
TOTAL	15.6	31.4	29.4	14.2	5.3	2.0	.4											930	930	930															
Element (X)	Σx'	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	4236253	61272	65.9	14.551	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb	1947112	42062	45.2	6.939	930		1.7										73																		
Wet Bulb	1549027	37501	40.3	6.298	930		8.5										73																		
Dew Point	1130959	31481	33.9	9.385	930		37.7										93																		

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM 4-72

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

MONTH

HOURS (L, S, T,)

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

YEARS

74-27

MAZ
MONTH

287

1500-1700
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

100-443881-1

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

MONTH

PAGE 1 1000-2000
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

15140	RAMSTEIN AB GERMANY
STATION	STATION NAME

74-23

YEARS

MONTH

DATE: 10-17-2007
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
1-143	HANSTFIV AB GERMANY

74-83

YEARS

4 A.
MONTH

413

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
74 / 77										.1	.1																							
73 / 76							.1	.1	.1																									
72 / 75						.1	.1	.1	.1																									
71 / 74					.1	.1	.1	.1	.1																									
70 / 73			.1	.1	.1	.1	.1	.1	.1																									
69 / 72		.1	.1	.1	.1	.1	.1	.1	.1	.1																								
68 / 71		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																							
67 / 70		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																						
66 / 69	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																					
65 / 68	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																				
64 / 67	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																			
63 / 66	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																		
62 / 65	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
61 / 64	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
60 / 63	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1															
59 / 62	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1														
58 / 61	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1													
57 / 60	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1												
56 / 59	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1												
55 / 58	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1												
54 / 57	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1												
53 / 56	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1												
52 / 55	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1												
51 / 54	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1												
50 / 53	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1												
49 / 52	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1												
48 / 51	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1												
47 / 50	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1												
46 / 49	.1	.1	.																															

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

MONTH

547

391

HOURS 11-5-10

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
74.4	0.0	.33	.43	.51	.4	3.4	3.6	1.4	.5	.1	.0	.0							74.4		74.4	
																			74.4		74.4	

JSAFETAC
FORM
JAN 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

<u>10147</u>	<u>RAMSTEIN AB GERMANY</u>
STATION	STATION NAME

74-93

YEARS

AD.
MONTH

DATE: 2000-0000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

40
MONTA

PAGE 1 0300-0500
HOURS (L.S.T.)

[illegible]

USAFETAC
FORM
MAY 64
0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

YEARS

74-217

APR
MONTH

PAGE 3 1500-0800
HOURS (L. S. T.)

USAFETAC
FORM
AIA 44
0-20-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MONTH

HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
JRAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-140	RAMSTEIN AB GERMANY
STATION	STATION NAME

74-93

YEARS

AD.
MONTH

PAGE : 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
70 / 75											.1							1	1								
71 / 72							.1				.1							2	2								
72 / 71					.1				.2	.3	.7							9	9								
73 / 69							.1	.4	.1	.7								12	12								
67 / 67					.1	.2	.3	.3	.4									12	13								
65 / 65						.1	.4	1.0	1.6									21	22								
64 / 53				.4	.1	2.0	1.3	2.2	.4									38	55	2							
62 / 51			.2	.2	.2	.9	1.6	.8	.1									37	37								
57 / 59				.1	1.1	1.3	1.1	.7	.1									42	47	3							
57 / 57		.1		.5	.6	1.3	1.7	.8	.2									49	49	9							
53 / 55	.1	.1	1.3	1.1	.9	1.8	1.9	.6										66	66	19	5						
47 / 53	.1	.4	.9	1.3	1.4	1.2	1.1	.4										70	60	63	5						
52 / 51		.4	1.4	1.4	2.2	1.7	1.7	.1										77	77	82	5						
49 / 49		.7	1.7	2.3	1.3	.6	.4											84	54	70	10						
48 / 47		1.9	1.7	2.6	1.3	1.2	.9											8	60	67	29						
46 / 45		.7	3.1	3.6	3.2	1.6												114	114	106	62						
44 / 43		.3	2.0	1.8	2.3	.7												60	60	93	41						
42 / 41	.1	2.1	1.2	3.0	.7													64	64	92	47						
40 / 39	.1	1.6	2.2	.6	.7													50	50	93	51						
39 / 37		.4	.4															5	5	94	50						
36 / 35		.3		.2														2	2	77	89						
34 / 33		.7																3	3	17	83						
27 / 31																				13	40						
20 / 29																					62						
28 / 27																					74						
26 / 25																					81						
24 / 23																					87						
22 / 21																					95						
20 / 19																					13						
18 / 17																					2						
16 / 15																					1						
TOTAL	.4	9.7	14.6	19.3	17.4	14.7	11.9	7.1	3.2	1.3	.7							930	930	930							
Element (X)	Σx^2		Σx		\bar{x}		σ_x		No. Obs.		Mean No. of Hours with Temperature																
Rel. Num.	3043211		50385		56.0		17.4		900		≤ 0 F		≤ 32 F		≤ 57 F		≤ 73 F		≤ 80 F		≤ 93 F		Total				
Dry Bulb	2467361		46543		51.7		8.4		900						3.6		.4						900				
Wet Bulb	1795880		39762		44.1		6.2		900				1.3										900				
Dew Point	1169860		31652		35.2		7.8		900				32.3										900				

PSYCHROMETRIC SUMMARY

74-32

YEARS

AD
MONTH

PAGE 1 1870-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
71/ 75											.1							1	1									
74/ 73										.1	.1	.2							4									
76/ 71									.1	.3	.4	.1							9									
78/ 69							.1		.4	.7	.1							14	14									
81/ 67					.1	.1	.1	.2	.4	.8	.1							21	23									
85/ 65					.1	.1	.3	.7	1.0	.7								27	27									
84/ 53		.1		.1	.5	1.4	1.3	2.4	1.3	.1								69	69									
82/ 51			.1	.2	.1	.2	1.2	1.2	.5									41	41	1								
80/ 59		.1	.1	.7	.9	1.1	1.6	2.2	.2									11	11	3	1							
77/ 57	.1	.1	.3	.1	.4	.6	1.0	.8	.4									35	35	11	1							
86/ 55		.2	.3	1.4	1.7	1.8	1.6	1.2	.1									66	69	19	3							
84/ 53		.4	1.3	1.7	1.8	1.9	1.7	.9	.2									5	45	48	5							
82/ 51		.1	2.7	1.2	1.4	.7	1.7	.2										43	63	72	9							
80/ 49	.2	.2	.7	1.1	.3	.7	.2	.1										42	42	39	14							
40/ 47		1.7	.6	1.9	1.0	1.3	1.0											41	51	91	19							
46/ 45		2.4	3.2	2.6	4.4	2.3												141	141	91	56							
44/ 43	.3	.4	2.1	2.2	1.7	.4												12	67	101	63							
42/ 41		1.9	1.6	.9	1.0													47	47	89	59							
40/ 39		1.3	1.4	.2	.4													11	31	71	74							
38/ 37		1.0	.2	.3														14	14	106	79							
35/ 35		.1	.1																2	61	75							
34/ 33		.7																	3	16	87							
32/ 31																					11							
30/ 29																												
28/ 27																												
25/ 25																					42							
24/ 23																					27							
22/ 21																					17							
20/ 19																					18							
18/ 17																					6							
16/ 15																					900							
TOTAL	.7	9.8	14.8	14.9	15.1	13.3	12.3	10.1	5.4	2.1	1.1	.3						900	900	900								
			</																									

0-26-5 (OLA)

FORM 4-72

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

AD:
MONTH

71CB-23,3

HOURS (L. S. T.)

[illegible]

RY

LD
MONTH

ALL
HOURS 11:50

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

ADP
MONTH

2 A 2

ALL

HOURS (L, S, T)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

424
MONTH

PAGE 1 2000-0220
HOURS (L. S. T.)

USAFETYAC

2

PSYCHROMETRIC SUMMARY

 MAY
MONTH

PAGE 1 2800-2800
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

1-142	AMSTEIN AB GERMANY
STATION	STATION NAME

74-83

YEARS

4 2 Y
MONTH

PAGE 1 1900-11.0
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
71/ 77						.1												1	1					
72/ 75								.1										1	1					
74/ 73				.1		.1		.2										4	4					
71/ 71				.1		.1	.5	.1	.1									14	14					
77/ 69				.1	.2	.1	.2	.1										10	1					
67/ 67				.1	.1	.2	.2	.2	.1									11	12	2				
63/ 55				.3	.4	1.2	.6											25	25	1				
47/ 63		.1	.1	1.1	.9	3.2	.3	.5										67	67	3				
67/ 51		.1	.2	.5	2.5	1.5	.6	.1	.1									2	62	6				
67/ 53		.3	1.1	2.5	3.2	.9	.2	.5										72	79	25	1			
59/ 57		.5	1.5	3.4	1.7	1.3	.3											77	77	18	9			
55/ 55		.6	1.6	5.5	2.2	1.4	.2											107	107	63	20			
74/ 53	.3	.3	3.2	2.4	1.6	.5	.1											3	83	102	25			
72/ 51		2.4	5.5	1.5	1.4	.5	.1											110	110	102	32			
53/ 49		1.3	3.0	1.4	.3	.7												71	71	143	50			
43/ 47		2.9	2.2	.5	.4	.1												56	53	149	115			
47/ 45		3.3	3.4	1.1	1.1													3	87	176	211			
44/ 43		.3	1.3	.9														20	29	54	112			
47/ 41		.5	1.2	.5	.1													24	24	41	86			
43/ 39	.1	.5	.1	.1														9	9	41	76			
37/ 37	.1	.9	.1															10	10	30	42			
35/ 35		.1																1	1	13	43			
34/ 33																				5	41			
32/ 31																					13			
29/ 29																					20			
29/ 27																					17			
24/ 23																					1			
TOTAL		.15	.52	.72	.32	.31	.3	4.6	2.5	.4	.1							970		930	920			

Element (X)	Σ x'	Σ x	Σ	Σ ²	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4458353	63009	67.8	14,278	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2792859	50513	54.3	7,281	930			4.4	.6			93
Wet Bulb	2236790	45306	48.7	5,650	930			.2				93
Dew Point	1777639	40217	43.2	6,437	930		6.6					93

PSYCHROMETRIC SUMMARY

<u>176143</u>	<u>PAHSTEIN AB GERMANY</u>
STATION	STATION NAME

74-83

YEARS

DAY
MONTH

PAGE 120-1400
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
84 / 87									.1			.1	.2					4	6					
82 / 81								.7	.1	.4		.1						4	7					
80 / 79							.1		.1	.3														
78 / 77							.1	.3	.5	.1	.3							12	17					
76 / 75							.5	.7	.6	.6	.4							27	27					
74 / 73						.2	.6	.7	1.4	.3	.1							3	13					
72 / 71					.7	.4	.5	1.2	1.1	.3	.1							51	56					
70 / 69						.5	1.3	1.3	.5	.1								51	56	1				
68 / 67			.1	.4		.7	1.4	.8	.4	.1	.1							18	49	4				
66 / 65			.2	.2		.5	1.4	.6	.9	.5								43	43	5				
64 / 63		.1	.1	1.2	1.4	4.3	2.0	1.6	1.3									17	107	16				
62 / 61		.1	.4	1.3	2.5	2.3	1.3	.6	.7									5	80	26	4			
60 / 59		.3	.5	1.4	2.8	1.5	1.1	1.7	.1									4	84	35	4			
58 / 57		.3	.5	2.6	2.0	2.3	.3	.2										42	82	31	9			
56 / 55		.5	1.6	1.9	1.4	2.7	.4											40	80	45	21			
54 / 53		.8	1.8	1.5	1.4	.5	.4											41	61	122	25			
52 / 51		.8	2.0	1.0	.9	.6												45	49	123	45			
50 / 49		.5	1.6	.2	.4	.3												29	29	109	59			
48 / 47		.1	.5	.3	.3	.4												44	44	109	76			
46 / 45		.5	1.4	1.2	1.1													44	44	97	192			
44 / 43		.1	.5	.3	.1													10	10	34	121			
42 / 41		.7	.4	.2														5	5	32	75			
40 / 39		.4																4	4	22				
38 / 37																				19				
36 / 35																				5	45			
34 / 33																					47			
32 / 31																								
30 / 29																								
28 / 27																					27			
26 / 25																					17			
24 / 23																					1			
TOTAL		8.1	12.2	13.2	15.3	17.5	11.7	10.0	7.6	2.9	1.1	.2	.2					930	930		500			

Element (X)	Σx'	Σx	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3153263	51843	55.7	15.832	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3411287	55727	59.9	8.806	930			20.2	9.1	1.6		57
Wet Bulb	2461945	47531	51.1	5.933	930			.5				72
Dew Point	1750416	39808	42.8	7.072	930		3.9					97

PSYCHROMETRIC SUMMARY

U. S. Y.
MONTH

HOURS: 11 A.M. - 5 P.M.

[illegible]

IT IS THE POLICY OF THE FBI TO MAKE AVAILABLE TO THE PUBLIC INFORMATION THAT IS NOT OTHERWISE AVAILABLE TO THE PUBLIC.

0.265 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

1-5141	WAMSTEIN AB GERMANY
STATION	STATION NAME

74-23

YEARS

4.87
MONTH

247

1530-1700
HOURS 11.5.1.1

[illegible]

2

1

YEARS

MONTH

HOURS (L. S. T.)

USAFETAC
FOBIAS
AA 86
0.26 S (OLA)
IN THEC 899 VARIOUS EDITORIES OF THIS MAGAZINE ARE CULPABLE

PSYCHROMETRIC SUMMARY

74-33

YEARS

2 3 Y
MONTH

DATE: 1-20-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
TOTAL	.1	2.2	11.1	11.1	12.7	15.4	12.3	12.0	7.8	5.5	2.0	.3	.1						93		930			

PSYCHROMETRIC SUMMARY:

YEARS

528
MONTH

DATE : 6-10-27
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
70 / 70								.1										1	1						
74 / 70									.2																
74 / 73					.1	.1																			
70 / 71					.1	.2	.1	.2		.1								7	7						
70 / 69			.1	.2		.2	.4	.3		.1								13	13						
67 / 67			.2		.3	.2	.4	.2		.2								17	17						
66 / 65			.1	.3	.4	.3	.5	.3	.1									25	25	4					
64 / 63		.2	.1	1.2	.4	2.2	.5	.5	.3									32	32	6	2				
62 / 61		.1	.2	.7	2.7	1.6	.5	.3										60	60	6	7				
60 / 59		.1	1.4	1.7	2.2	.9	.6	.3										66	66	16	3				
59 / 57	.1	.5	2.7	3.0	1.5	.6	.2	.1										77	77	32	9				
58 / 56		.9	2.7	4.5	1.4	1.7	.3											107	107	46	10				
54 / 53		.9	3.3	3.1	1.2	.4	.6											89	89	107	17				
52 / 51		2.2	5.5	2.4	1.1	.3	.2											115	115	98	47				
50 / 49		1.3	2.7	.9	.3	.1												49	49	140	38				
46 / 47	.3	4.3	2.3	1.5	.4	.3												5	55	152	100				
46 / 45	.1	3.1	3.7	1.5	.5	.1												75	79	114	157				
44 / 43		.4	.6	1.3	.1													23	23	69	132				
42 / 41		1.3	.7	.4	.1													25	25	44	80				
40 / 39		.9	.5	.2														14	14	76	57				
38 / 37	.2	.9	.1															10	10	29	62				
36 / 35	.1	.5	.1															7	7	17	43				
34 / 33		.1																1	1	9	43				
32 / 31																				1	27				
30 / 29																					23				
28 / 27																					5				
26 / 25																					7				
24 / 23																									
TOTAL		17.4	27.7	23.1	13.1	9.4	5.5	2.6	.6	.4								930	930	930	930				
																						930	930	930	

USAFETAC FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-93

YEARS

25 Y
MONTH

100

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DAY
MONTH

74-11

ALL

HOURS (L, S, T.)

[illegible]

2

YEARS

74-83

10
MONTH

HOURS 1 5 7

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM 1041

USAFETAC

2

YEARS

74-33

MONTH

HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

(a)

FORM 64

USAFETAC

PSYCHROMETRIC SUMMARY

1-140	HAUSTEIN AD GERMANY
STATION	STATION NAME

74-552

YEARS

MONTH

12-14-60
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
74/ 93																																			
72/ 91																																			
70/ 89																																			
68/ 87																																			
66/ 85																																			
64/ 83																																			
62/ 81																																			
60/ 79																																			
58/ 77																																			
56/ 75																																			
54/ 73																																			
52/ 71																																			
50/ 69																																			
48/ 67																																			
46/ 65																																			
44/ 63																																			
42/ 61																																			
40/ 59																																			
38/ 57																																			
36/ 55																																			
34/ 53																																			
32/ 51																																			
30/ 49																																			
28/ 47																																			
26/ 45																																			
24/ 43																																			
22/ 41																																			
20/ 39																																			
18/ 37																																			
16/ 35																																			
14/ 33																																			
12/ 31																																			
10/ 29																																			
8/ 27																																			
Element (X)	Σx^1	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Ref. Num.						≤ 0 F	1-32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-S (OL A)

NAME

USAFETAC

PSYCHROMETRIC SUMMARY

22

2005

10 3-17.0
HOURS 11 5 9

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point	
71.4																																						
Element (X)	Z _{x'}	Z _x	X	P _a	No. Obs.											Mean No. of Hours with Temperature					Total																	
Rel. Hum.	2721425	47537	52.8	15.305	900											+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F																	
Dry Bulb	4375543	52181	69.1	9.101	900													50.3	30.7	13.1	1.2																	
Wet Bulb	3379907	52397	58.2	5.720	900													5.8																				
Dew Point	2288473	44991	50.0	5.701	900											1.5																						

PSYCHROMETRIC SUMMARY

1	147	- AMPLIFY 43 572444
STATION		STATION NAME

74-52

VE 483

MON T

1 100-200
MAY 19 1961

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FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C.
 U. S. WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

1 0147 KARSTEN AB GERMANY
 STATION STATION NAME

74-53

YEARS

JULY
 MONTH

PALE

19 0-2000
 HOURS 10 5 1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dea Point														
74.5																																			
73.0																																			
71.5																																			
70.0																																			
68.5																																			
67.0																																			
65.5																																			
64.0																																			
62.5																																			
61.0																																			
59.5																																			
58.0																																			
56.5																																			
55.0																																			
53.5																																			
52.0																																			
50.5																																			
49.0																																			
47.5																																			
46.0																																			
44.5																																			
43.0																																			
41.5																																			
40.0																																			
38.5																																			
37.0																																			
35.5																																			
34.0																																			
32.5																																			
31.0																																			
29.5																																			
28.0																																			
26.5																																			
25.0																																			
23.5																																			
22.0																																			
20.5																																			
19.0																																			
17.5																																			
16.0																																			
14.5																																			
13.0																																			
11.5																																			
10.0																																			
8.5																																			
7.0																																			
5.5																																			
4.0																																			
2.5																																			
1.0																																			
0.0																																			

Element (X)	Z ₁	Z ₂	I	C ₂	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 60 F	60-70 F	70-80 F	80-90 F	≥ 90 F	
Rel. Hum.	2343727	49087	55.0	15.738	900						
Dry Bulb	4216265	61097	67.9	8.733	900			44.7	25.9	0.5	70
Wet Bulb	3332731	51999	57.8	5.926	900			4.3			92
Dea Point	2280706	44978	50.0	6.762	900		1.4				92

PSYCHROMETRIC SUMMARY

4-21-1

22488

245

41-23-
HOURS 5

[illegible]

USAFETAC

JETRAL CLIMATOLOGY BRANCH
 SAFETY
 AIR WEATHER SERVICE/MAJ

PSYCHROMETRIC SUMMARY

1-14	AMSTERDAM GERMANY
STATION	STATION NAME

4-53

YEARS

MONTH

2000

411

HOURS 11-5, 7-9

[illegible][illegible]

USAFETAC

YEARS _____ MONTH _____ DAY _____

HOURS (L. S. T.) _____

4-31

YEARS

MONTH

24-2

Alf

HOURS 11.57.11

[illegible]

2

PSYCHROMETRIC SUMMARY

JUL
MONTH

PAGE 1 7500-0230
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
75/ 71			.2			.1																															
70/ 59			.2	.2		.2													10	10																	
65/ 57		.2	.4		.3															9	7																
60/ 55		.5	.1	.3	.1														11	10	6																
54/ 50	.5	2.7	3.3	2.5	.5	.4													24	24	15																
52/ 51	.5	3.5	3.4	2.3	.5	.2													29	29	27																
50/ 59	.4	3.7	5.7	2.0	.2														112	112	78																
50/ 57	.4	4.4	3.4	2.3	.1														107	103	80																
50/ 55	.4	4.5	7.1	2.5	1.0														145	145	120																
54/ 53	.5	3.2	4.5	1.1	.1														84	82	105																
52/ 51	1.0	3.4	3.0	.6	.4														75	75	111																
50/ 49	.4	3.2	2.9	.4															4	64	112																
48/ 47	.5	3.4	.9	.2															45	46	90																
48/ 45	1.0	2.9	.4	.2															2	42	57																
44/ 43	.2	.9	.3																12	12	24																
42/ 41		.4	.1																5	5	15																
40/ 39		.1	.1																2	2	6																
38/ 37		.1																	1	1	2																
35/ 35																					2																
34/ 33																																					
32/ 31																																					
TOTAL	6.1	37.7	36.6	15.2	3.4	1.7													970	930	930																

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	29463.6	52074	56.2	5.730	930			2.2				43
Wet Bulb	25420.3	49311	53.0	5.431	930			.7				53
Dew Point	24355.31	46965	50.5	6.032	930		.3					93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

1000

USAFETAC

2.

Y

YEARS

JUL
MONTH

MOUSE 11-9-71

REVISED EDITIONS OF THIS FORM ARE OBSOLETE

D-26-5 (OL A)

FORM 1041

USAFETAC

GENERAL CLIMATELOGY BRANCH
MOSCOW
AIR WEATHER SERVICE/MAAC

PSYCHROMETRIC SUMMARY

1 0143	TRANSFIR AD GERMANY
STATION	STATION NAME

74-83

YEARS

JUL
MONTH

PAGE 1 3900-1100
HOURS (L. S. T.)

[illegible]

12

PSYCHROMETRIC SUMMARY

74-93

44:

PAGE 1 1270-1450
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
95/ 95																		4	4					
94/ 93																		10	10					
93/ 91																			9					
92/ 89																		10	10					
91/ 87																		15	15					
90/ 95																		14	14					
89/ 83																		25	25					
88/ 91																		68	68					
87/ 79																		5	55					
77/ 77																		49	49					
75/ 75																		1	51					
74/ 73																		59	59					
72/ 71																		72	72					
70/ 69																		5	55					
67/ 67																		51	51					
66/ 65																		4	64					
64/ 63																		124	124					
62/ 61																		70	70					
60/ 59																		58	58					
58/ 57																		24	24					
55/ 55																		21	21					
54/ 53																		9	9					
52/ 51																		1	1					
50/ 49																			2					
45/ 47																			10					
45/ 45																			5					
44/ 43																								
42/ 41																								
40/ 39																								
38/ 37																								
35/ 35																								
34/ 33																								
TOTAL	.4	4.0	7.5	9.1	15.6	16.7	17.8	11.5	6.9	4.6	2.3	1.8	.9	1.1	.2			930	93	930				
Element (X)	Σx'		Σx		x		x²		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	3081871		51667		55.6		15.007		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F							
Dry Bulb	4713944		65664		70.6		9.142		930						55.7		37.9							
Wet Bulb	3402095		55999		60.2		5.699		930						13.8		.7							
Dew Point	2638612		49194		52.9		6.260		930						.7		.2							

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

YEARS

411

MONTH

1500-1700
HOURS (L. S. T.)

USAFETAC

YEARS MONTH

1-147	RAMSTEIN AB GERMANY
STATION	STATION NAME

74-35

YEARS

MONTH

PAGE 1 157-2000
MOORE (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
JCSAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-147	JAMSTEIN AB GERMANY
STATION	STATION NAME

74-23

YEARS

مونت

210-230
HOURS 10-5

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
90/ 80											.1		.2	.1				4	4																
89/ 81								.1	.1	.2	.2	.1	.1					3	5																
88/ 81							.1	.1	.5	.5	.1							2	12																
87/ 79					.1	.1	.1	.5	.5		.2	.1						2	12																
86/ 77				.1	.3	.4	.6	.5	.4	.3								2	25																
85/ 75		.1	.3	.5	1.1	.6	.2	.1										10	22																
84/ 73			.5	.4	.9	1.6	.4	.1										3	31	1															
83/ 71		.3	.5	1.3	1.2	1.2	.3	.1										4	45	6															
82/ 57		.1	1.3	1.3	1.6	2.8	1.											5	75	14	1														
81/ 57		.3	1.5	.5	1.7	1.2	.5											5	5	17	5														
80/ 55		.4	2.2	2.0	2.0	1.7	.7	.1										5	75	69	10														
79/ 53		1.6	3.2	5.3	3.5	2.7	.4											11	101	86	54														
78/ 51		1.7	3.9	2.3	3.1	.9	.1											17	127	103	44														
77/ 59		1.4	3.1	2.2	1.6	.2												13	57	124	76														
76/ 57		1.7	1.5	3.5	1.1	.1												4	74	140	101														
75/ 55	.2	1.5	1.3	1.4	.8													3	57	43	106														
74/ 53	.1	.5	1.4	.9	1.0													37	37	108	111														
73/ 51	.1	.3	1.7	.1	.1													14	14	76	111														
72/ 49																				40	55														
71/ 47			.1															1	1	29	55														
70/ 45																				5	17														
69/ 43																					1														
68/ 41																					17														
67/ 39																					17														
66/ 37																					1														
65/ 35																					2														
TOTAL	.4	5.7	22.4	21.2	19.4	12.5	7.1	2.9	2.2	1.1	.6	.2	.3	.1				930	931	930	930														

Element (X)	Σ x ²	Σ x	\bar{x}	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4409661	62647	67.4	14.286	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3968300	63356	64.9	7.428	930			32.5	15.0	4.7		93
Wet Bulb	3175195	54109	58.2	5.395	930			5.8	.1			93
Dew Point	2565078	49458	53.2	6.127	930			.6				93

PSYCHROMETRIC SUMMARY

100147	KAUSTFEN 13 GERMANY
STATION	STATION NAME

74-83

YEARS

MONTH

2A'5

444

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1 147	14151514 AS GERMANY
STATION	STATION NAME

74-153

YEAR

1000

ALL
HOURS 1 5 T

[illegible]

1-147	AMSTEN AB GERMANY
STATION	STATION NAME

74-23

YEARS

3

MONTH

242

ח.י.ב-בבב

HOURS 11.5.21

USAFETAC
FORM
NO. 20
0-26-5 (QLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

A 3
MONTM

PAID . 300-6500
HOURS 11 A. M. - 5 P. M.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
72 / 71						.1														1															
71 / 59				.1	.1															2															
69 / 67							.1													7															
65 / 55		.1	.5		.4													17	17	1															
64 / 52		1.0	2.3	3.1	.7	.7												7	77	5	4														
62 / 51	.2	1.3	5.7	1.4	.6													7	97	45	17														
60 / 59	.4	3.8	7.7	1.2	.2													117	117	51	33														
58 / 57	.1	6.7	4.2	1.5	.2													117	112	123	51														
56 / 55	.5	5.5	5.3	.8	.2													127	127	143	112														
54 / 53	1.7	4.6	4.1	.1														8	93	171	141														
52 / 51	1.9	3.7	5.3															101	101	147	136														
50 / 49	.3	1.9	2.3	.1														13	43	93	94														
48 / 47	.3	2.8	.9	.2	.1													10	40	70	93														
46 / 45	.8	2.9	1.1	.2	.2													40	43	47	127														
44 / 43	.4	1.7	1.1	.1														27	24	27	43														
42 / 41	.1	.7	.2															7	2	16	23														
40 / 39		.2	.1	.1														7	0	10	12														
38 / 37	.1			.2														7	3	12	14														
36 / 35																				1	5														
34 / 33																				1	7														
32 / 31																				2	2														
30 / 29																				2	2														
28 / 27																				2	2														
26 / 25																				2	2														
TOTAL	7.637	7.741	5.510	5.0	2.8	.7	.1											970		930		930													

Element (X)	Σx²	Σx	Σ	%	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.	651746	77378	93.2	9.339	733	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2576343	51439	55.3	5.796	930			.6				53
Wet Bulb	2594907	48867	52.5	5.419	930			.2				23
Dew Point	2375862	46690	50.2	5.053	930		1.2					93

PSYCHROMETRIC SUMMARY

74-22

YEARS

200
MONTH

225

0600-2650
HOURS (L. S. T.)

[illegible]

2.

PSYCHROMETRIC SUMMARY

YEARS

20
MONTH

2970-11.0
HOURS (L. S. T.)

FORM
JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

74-83

YEARS

A1

MONTH

PAGE 1 1500-1703
HOURS (L-S-T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	L31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
67 95													.1	.1				2	2						
67 93														.1				1	1						
67 91												.1	.2	.1				4	4						
67 89											.2	.2	.2					12	12						
67 87									.1		.4	.5		.1				14	14						
67 85									.2	.4	.6	.1	.1	.1				15	15						
67 83								.2	.3	1.0	.4							2	32						
67 81							.2	1.4	3.0	3.1	.5	.2	.1					3	82						
67 79						.5	.2	1.0	2.5	1.2	1.2							7	79						
7-7 77						.5	1.4	3.7	1.6	1.6								2	22						
75 75				.1	.4	.3	2.3	2.5	.6	.4	.2							67	67						
74 73				.5	.9	.9	2.2	.9	.5	.1								4	54						
72 71			.1	.5	1.7	.9	3.9	2.0	.5									1	51	2					
70 69			.2	1.0	1.0	5.4	2.6	.8	.1									102	102	28					
68 67			.2	.1	1.4	1.2	2.3	.5										54	54	74	1				
66 65			.2	1.1	1.1	1.5	1.2	.1										50	50	106	3				
64 63		.4	1.6	2.7	2.2	3.4	.6	.3										135	109	137	25				
62 61		1.1	.9	1.0	.5	1.3	.6											50	50	140	40				
60 59		.4	1.1	.4	.2													20	20	156	69				
58 57		.4	.6	.4														14	14	111	60				
56 55		.1	.1			.2												4	4	90	173				
54 53					.1													1	1	48	128				
52 51																				22	134				
50 49																				9	76				
48 47																					52				
46 45																				3	82				
44 43																					52				
42 41																					17				
40 39																					2				
38 37																					3				
36 35																					6				
TOTAL		2.5	5.2	3.2	9.4	16.9	17.5	13.4	10.1	9.5	4.0	2.2	.8	.5					930	93	930				

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2567358	47994	51.6	14.322	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	4936675	67369	72.4	7.797	930			68.3	43.6	20.1	.3	93
Wet Bulb	3459151	56563	60.8	4.519	930			10.4				97
Dew Point	2600147	48915	52.6	5.428	930			.1				97

PSYCHROMETRIC SUMMARY

412

NOV 11 1971

USAFETAC

21

21

A J
MONTH

1

USAFETAC FORM 0-26-5 (OLA)
JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MONTH

291

HOURS (L - S - T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
75 / 75																		2	2					
74 / 73																		2	2					
73 / 71																		7	7					
72 / 70																		15	15					
71 / 69																		3	33					
70 / 68																		1	31					
69 / 67																		7	27					
68 / 66																		21	21					
67 / 65																		157	167					
66 / 64																		247	247					
65 / 63																		243	243					
64 / 62																		261	261					
63 / 61																		321	321	9				
62 / 60																		400	400	61	1			
61 / 59																		342	342	224	5			
60 / 58																		421	422	397	18			
59 / 57																		1055	1057	571	155			
58 / 56																		729	729	798	258			
57 / 55																		642	642	960	471			
56 / 54																		549	599	1080	672			
55 / 53																		511	511	974	1056			
54 / 52																		553	553	819	1118			
53 / 51																		263	263	593	1055			
52 / 49																		154	154	371	670			
51 / 47																		104	104	222	657			
50 / 45																		137	137	150	695			
49 / 43																		53	53	78	242			
48 / 41																		24	24	57	167			
47 / 39																		21	21	30	65			
75 / 37																		7	7	23	45			
74 / 35																		1	1	10	41			
73 / 33																		1	1	4	20			
72 / 31																				3	17			
70 / 29																					6			
Element (X)	Σ x ¹		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

YEAR

DATE
MONTH

2465

ALL

HOURS 11-5-1

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONTH

1140

1000-0202
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
72 / 71							.1	.1																
73 / 59			.1	.3	.2	.3	.4											14	14					
52 / 57					.4	.7																		
55 / 55		.2	.5		.1	.2												10	10	2				
64 / 53	.1	.4	2.1	1.3	.3													19	36	8	1			
62 / 61		1.2	2.1	2.2	.4													2	62	18	8			
51 / 59	.3	2.2	4.1	1.9	.8	.1												5	65	36	17			
51 / 57	.4	4.2	2.1	1.9	.7													2	62	76	36			
55 / 55	1.3	4.4	3.7	2.4	.1													105	105	111	69			
47 / 53	1.2	5.1	4.3	2.1														115	115	93	117			
52 / 51	1.3	4.7	4.1	.3														5	65	120	84			
63 / 45	.9	3.3	4.4	.1														3	63	105	56			
47 / 47	.7	5.2	1.1	.2														74	74	110	92			
45 / 45	1.1	5.3	2.9															3	93	92	169			
44 / 43	.1	1.9	1.1															75	75	56	83			
42 / 41	.4	1.9																12	12	31	56			
47 / 34	.2	.5																10	11	16	31			
37 / 37	.3	.1																4	4	7	15			
35 / 35																				7	15			
34 / 33																								
52 / 31																								
TOTAL	7.74	1.2	33.6	12.9	3.1	1.7	.6											700	700	950	50			

PSYCHROMETRIC SUMMARY

MONTH

PAGE 1 0300-0500
HOURS 11.5.71

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A)

USAFETAC FORM 8-64

FEDERAL CLIMATOLOGY BRANCH
JANUARY 1964
U.S. WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 - 147	AMSTEIN AB GERMANY
STATION	STATION NAME

74-93

YEARS

MONTH

PAGE 1 1500-0000
HOURS 11.5.7

[illegible]

YEARS MONTH

74-53

YEARS

57 PM
MONTH

PAGE 1 2903-1100
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (1 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

2 1 2
MONTH

PAGE 1 1270-1450
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
91									.1	.1	.1							6	6																
89							.1	.1	.2	.2								12	12																
87					.1	.1	1.	.4		.3								17	17																
85					.2	.2	1.2	.6	.2									21	21																
83				.1	1.3	1.7	1.1	.3	.5									45	45																
81			.1	.3	1.2	2.6	1.4	.6	.2									57	57																
79			.3	1.3	1.9	4.3	1.7	.6	.2	.1								72	72	4															
77			.7	.7	2.2	1.9	1.1	.3										77	77	12															
75		.4	1.1	1.7	2.4	1.3	.7	.3	.1									73	73	45															
73	1.7	2.1	5.3	3.4	5.0	1.4	1.2											177	177	95	17														
71	.4	2.2	1.6	4.7	1.8	.2												5	95	35	35														
69	.1	.6	1.7	2.7	3.3	.7	.2											13	83	125	78														
67	.1	.2	1.2	3.5	1.7	.7	.1											2	62	113	67														
65	.1	.4	.6	1.4	.9	.5												3	35	88	82														
63		1.7	.6	1.4	.1													0	30	135	95														
61		.4	1.7	.1	.1													1	21	70	84														
59		.6	.3															0	2	47	44														
57		.2	.4															0	0	45	39														
55		.5																0	0	14	149														
53		.2																0	2	6	61														
51																				1	33														
49																					18														
47																					0														
45																					1														
43																					0														
41																					0														
39																					0														
37																					0														
35																					0														
33																					0														
TOTAL	.3	6.9	13.2	27.2	22.3	10.4	10.2	5.1	2.0	.3								900	900	900	900														

Element (X)	Z ₁	Z ₂	X	σ ₂	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.	3752717	56845	63.2	13.437	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3760750	57726	64.1	6.952	900			30.3	10.8	1.0		90
Wet Bulb	2917266	51014	56.7	5.345	900			1.7				90
Dew Point	2356914	45698	50.8	6.396	900							90

PSYCHROMETRIC SUMMARY

15142	HAUSEIN AB GERMANY
STATION	STATION NAME

4-53

YEARS

MONTH

PAGE 1 100-1700
NOV 11 1961

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
5/ 85																		1	1																
4/ 83																		2	2																
3/ 81									.7	1.0	.7	.4						18	18																
2/ 79							.7	.4	1.4	1.2	.2	.5	.1					43	43																
75/ 77									1.1	1.3	.3	.7	.1					28	28																
74/ 75					.4	1.4	1.3	1.2	.4	.6								53	53																
74/ 73				.3	.8	1.7	3.2	.7	1.2	.2	.1							79	59																
73/ 71				.1	.4	1.7	2.7	1.1	.9	.1	.7							51	58																
72/ 69			.3	.7	1.2	2.4	1.3	2.0	.1	.3	.1							17	17																
50/ 57			.7	.7	1.3	.6	1.6	.2	.1									2	2	23															
56/ 55		.1	.5	2.1	2.2	1.1	1.4	.5	.3									76	75	59	1														
44/ 53		.3	1.7	4.1	2.3	5.1	1.3	1.2	.3									12	152	78	17														
22/ 51		.2	.6	1.9	3.3	1.1	.5	.1										74	74	121	27														
10/ 59		.4	.2	1.9	1.9	.7	.2											4	54	111	19														
80/ 57		.5	1.7	1.1	.4	.7	.3											42	42	106	34														
51/ 55		.9	.8	.4	1.1	.7												35	31	132	43														
44/ 53		.7	.3	1.5	.3													1	21	137	97														
52/ 51		.3	1.7	.1														17	19	73	100														
52/ 49		.1	.2															5	5	72	47														
40/ 47			.1															1	1	47	27														
45/ 45		.3	.1															4	4	12	141														
44/ 43		.2																1	1	5	55														
42/ 41																					42														
42/ 39																					27														
74/ 37																					15														
74/ 35																					24														
34/ 33																					19														
72/ 31																					7														
TOTAL		4.2	9.4	10.9	17.0	17.7	16.6	12.6	5.7	2.3	1.7	.1						900	900	900	900														

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	3173761	51851	57.61	4.377	900			41.7	72.0	2.0		90
Wet Bulb	2992252	51662	57.4	5.454	900			3.1				90
Dew Point	2313940	45236	50.3	6.694	900		.2					90

21

PSYCHROMETRIC SUMMARY

YEARS

HOURS 11 A.M. - 7 P.M.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
61										.1	.1																							
70							.1	.3	.4	.1								1	10															
77						.1	.3	.5	.7	.7								14	14															
78					.3	.5	.7	.9	.1	.1								20	20															
78			.1	.7	1.1	1.1	.7	.4										27	27															
71			.5	1.2	1.1	1.2	.7	.3	.1	.1								3	53															
53		.7	.5	2.1	2.2	1.7	1.1		.1									6	66	2														
47		.1	1.3	2.1	1.8	.4	.2											4	64	10														
55	.7	1.5	2.2	1.2	1.1	.7	.3	.2										43	67	30														
53	.5	2.4	4.6	3.5	3.2	1.5	.4	.1										12	107	87	17													
51	.5	2.7	2.6	3.5	1.4	.2	.1											100	107	89	20													
52	1.1	1.7	3.4	2.6	.3	.3												94	64	113	51													
57	1.7	3.4	3.1	.6	.5	.1												75	75	124	41													
55	1.1	1.3	1.2	2.1	.1	.5												5	60	104	89													
53	.7	1.3	.7	.4	.1													59	59	139	96													
51	1.2	.9	.9	.2														29	29	92	102													
45	.3	.7	.1															15	17	41	73													
47	.6	.4																11	11	29	85													
45	.6	.1																7	5	59	159													
43	.2																	2		7	22													
41	.1																	1	1	3	27													
39																																		
37																					11													
35																					17													
33																																		
31																																		
TOTAL	.1	0.2	1.2	2.5	1.1	1.5	0.9	4.8	2.4	.5	.2							89	0	89	8-9													

Element (X)	Z_X'	Z_X	X	σ_X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3933167	50737	64.6	14.158	899	10 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	3643685	56915	53.2	7.031	905			25.7	9.4	.6		97
Wet Bulb	2857615	50467	56.1	5.229	899			1.2				47
Dew Point	2322433	45355	55.5	6.176	899		.1					42

0.265 (OL A)

USAFETAC FORM 100-1 JUN 64

PSYCHROMETRIC SUMMARY

YEARS

MONTH

HOURS 11 - 9 - 7

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1514	RAMSTEIN AB GERMANY
STATION	STATION NAME

74-33

YEARS

05 T
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6141	MANSTEIN AB GERMANY
STATION	STATION NAME

74-23

YEARS

357
MONTH

DATE: 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

10140	RAMSTEIN AB GERMANY
STATION	STATION NAME

74-83

YEARS

5-7
MONTH

PAGE 1 100-3850
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS WORK ARE OBSOLETE

0-26-5 (CL A)

USAFETAC

12

24

MONTH

7400-11-0

HOURS (L, S, T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OLA)

FORM 94

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
ARAFETAC
NEW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17-147	KAMSTEIN AB GERMANY
STATION	STATION NAME

75-813

YEARS

001
MOMIN

1270-1400
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
75/ 75							.1	.2										4	7					
74/ 73						.1	.2											4	6					
72/ 71					.1	.1	.1	.1										4	5					
70/ 69			.1			.1	.2											3	4					
68/ 57			.1		1.4	.1												15	17					
66/ 55				.7	.5	.4												11	15	3				
64/ 53		.1	.2	1.5	1.1	.7	.1											37	27					
62/ 51		.1	.1	1.2	1.7	.5												40	41	17	1			
60/ 59		.1	1.5	2.1	1.1	.1												41	45	25	1			
58/ 57		.2	1.4	3.5	.4	.2												21	52	36	17			
56/ 55	.1	1.5	2.6	2.2	1.1													75	79	81	21			
54/ 53	.1	1.4	4.2	3.4	.7													3	7	72	24			
52/ 51	.2	2.2	3.7	2.5	.3													15	7	105	59			
50/ 49	.1	2.4	2.5	.1	.2													51	57	85	46			
48/ 47	.2	4.2	3.5	1.6	.2													5	11	113	94			
46/ 45	.4	5.2	4.1	1.5	.2	.1												124	127	119	130			
44/ 43	.2	4.7	2.2	.5		.1												57	67	95	7			
42/ 41	.2	4.2	1.5	.2	.2													5	5	92	131			
40/ 39	.1	2.5	.1	.1														1	21	63	105			
38/ 37	.2	.2		.1														1	11	33	67			
36/ 35	.1	.4																1	7	17	47			
34/ 33	.1																	1	1	8	3			
32/ 31																					4			
30/ 29																								
28/ 27																								
26/ 25																								
24/ 23																								
22/ 21																								
20/ 19																								
TOTAL		0.232	6.24	8.22	3.1	1.3	2.7	.6	.2												9.1			
																		3.1		9.1				

Element (X)	Σx^1	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	
Rel. Hum.	543756	69878	75.9	12.15	921							
Dry Bulb	3213711	47637	51.4	7.56	937			.1	.7			
Wet Bulb	7171377	43823	47.5	6.23	921							
Dew Point	1102476	40314	43.8	6.41	921							

PSYCHROMETRIC SUMMARY

YEARS

MONTH

2100 1 100-1700
HOURS 11.5.71

[illegible]

PSYCHROMETRIC SUMMARY

7-1-7

YEARS

MONITOR

MOLES 3 3

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	+ 31	D.B. W.B. Dry Bulb	Wet Bulb	Dew Point	
77 / 77																																				
74 / 77																																				
71 / 71																																				
71 / 54																																				
57 / 57																																				
57 / 55																																				
47 / 52																																				
51 / 51																																				
52 / 52																																				
57 / 57																																				
55 / 55																																				
47 / 53																																				
51 / 51																																				
47 / 47																																				
47 / 45																																				
47 / 45																																				
41 / 41																																				
37 / 37																																				
37 / 35																																				
33 / 33																																				
31 / 31																																				
27 / 27																																				
27 / 21																																				
7131	1.2	3.3	4.3	2.4	1.0	0.5	5.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

USAFETAC

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-11-2010 BY 60322
AUTHORITY 50 USC 3024

PSYCHROMETRIC SUMMARY

114	4451-14 20 1-4-34
STATION	STATION NAME

2-1-1

YEARS

MD 97 14

10-13-50

[illegible]

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group and the experimental group. The control group was divided into two subgroups: the control group and the control group. The experimental group was divided into two subgroups: the experimental group and the experimental group. The control group was divided into two subgroups: the control group and the control group. The experimental group was divided into two subgroups: the experimental group and the experimental group.

A

A

33

33

USAFETAC

PSYCHROMETRIC SUMMARY

! 14 4XSTF16 AS 3000000
STATION STATION NAME

YEARS

MONTH

ALL
HOURS

[illegible]

PSYCHROMETRIC SUMMARY

74-5

VEARS

MONTE

1505 1 100-1000
HOURS 11 5. 2

[illegible]

PSYCHROMETRIC SUMMARY

1-5147	TRANSITION AB GERMANY
STATION	STATION NAME

2-5-7

VEARS

MONTH

52-28-0
MAR 19 1977

[illegible]

PSYCHROMETRIC SUMMARY

1-147	AMST-IV '3 GER-AMT
STATION	STATION NAME

4-3

YEARS

42
MONTH

22-11-2
HOURS 11 5 7

[illegible]

GENERAL CLIMATELOGY BRANCH
 1940-1941
 1942-1943

PSYCHROMETRIC SUMMARY

1-143	-445714 43 02-4444
STATION	STATION NAME

74-53

YEARS

424

MONTH

PAGE 1 1270-1423
HOURS 11. 5. 7.

[illegible]

PSYCHROMETRIC SUMMARY

1 0 1 1 0	KAUSTEIN AB GERMANY
STATION	STATION NAME

74-83

YEARS

NO.
MONTH

1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	DB. Wet Bulb	Net Bulb De- Point						
47/53																									
47/51																									
47/50																									
47/49																									
47/48																									
47/47																									
47/46																									
47/45																									
47/44																									
47/43																									
47/42																									
47/41																									
47/40																									
47/39																									
47/38																									
47/37																									
47/36																									
47/35																									
47/34																									
47/33																									
47/32																									
47/31																									
47/30																									
47/29																									
47/28																									
47/27																									
47/26																									
47/25																									
47/24																									
47/23																									
47/22																									
47/21																									
47/20																									
47/19																									
47/18																									
47/17																									
47/16																									
47/15																									
47/14																									
47/13																									
47/12																									
47/11																									
47/10																									
47/9																									
47/8																									
47/7																									
47/6																									
47/5																									
47/4																									
47/3																									
47/2																									
47/1																									
47/0																									
TOTAL	1.235	0.437	0.524	0.5	4.4	1.0	0.1											900	900						
		</																							

GLOBAL CLIMATOLOGY BRANCH
METEOR
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 0147	RA45FEIN AB GERMANY
STATION	STATION NAME

74-53

YEARS

MONTH

2457 1

1000-2000
HOURS (L. S. 1.)

[illegible]

REVIEWED FOR THE PURPOSES OF THIS PROGRAM AND OBSERVE

0-265 (OLA)

POB: 11/11/1944

JSAFETAC

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

2100-2300
HOURS (L. S. T.)

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAL

PSYCHROMETRIC SUMMARY

10140	KAMSTEIN AB GERMANY
STATION	STATION NAME

74-23

YEARS

NOV
MONTH

24. 5

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-33

YEARS

MONTH

PAGE 1 2000-0000
HOURS (L. S. T.)

[illegible]

2

YEARS

74-233

DEC
MONTH

HOURS (L. S. T.)

REVISED EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

1 140	WAMSTEIN AB GERMANY
STATION	STATION NAME

74-53

YEARS

350

MONTH

28 1

0522-1612

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
94/ 53				.1														5	5							
92/ 51		1.1	.3	.1														18	12	5						
90/ 49		.8	.4	.4														15	13	15	5					
88/ 47		1.4	1.1	.2														25	25	10	12					
86/ 45	.3	4.8	2.3	.5														73	79	40	2					
84/ 43		2.3	2.8															44	44	50	24					
82/ 41	.8	3.0	2.7	.2														61	61	49	31					
80/ 39	.2	4.1	1.8	.1														55	55	72	37					
78/ 37	1.9	3.4	2.3	.1														72	72	73	41					
76/ 35	.4	7.8	2.3	.1														59	59	70	77					
74/ 33	1.7	5.3	1.9	.3														76	86	110	56					
72/ 31	.3	4.2	1.7	.1														55	55	95	54					
70/ 29	.8	5.4	.5															63	63	77	94					
68/ 27	3.3	4.9	.5															70	60	66	99					
66/ 25	.3	1.9	.5															27	27	43	55					
64/ 23	.9	2.3																24	23	27	64					
62/ 21	1.3	2.0	.4															40	4	43	41					
60/ 19	1.1	1.3																22	22	23	27					
58/ 17	.4	1.1																14	14	21	32					
56/ 15	1.2	.4																15	15	24	30					
54/ 13		.4																4	4	4	56					
52/ 11		.5																5	5	4	11					
50/ 9	.5	.1																6	6	7	23					
48/ 7	.1	.1																2	2	2	12					
46/ 5	.5																	5		5						
44/ 3																		5		5	7					
TOTAL	16.25	8.52	2.9	2.4														970	970	970						
Element (X)	ΣX ²	ΣX	X	°	No. Obs.	Mean No. of Hours with Temperature										Total										
Rel. Hum.	644592	76832	82.6	10.271	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F															
Dry Bulb	1161218	31718	34.1	9.249	930		37.1														93					
Wet Bulb	1344289	30075	32.3	8.765	930		44.7														93					
Dew Point	379349	27175	29.2	9.615	930		55.9														93					

PSYCHROMETRIC SUMMARY

1 1147	RAUSSTEIN AB GERMANY
STATION	STATION NAME

74-63

YEARS

OF C
MONTH

PAGE 1 0950-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
50/ 55				.1																				
49/ 53			.1	.2																				
48/ 51		.1	.2		.1													12	12					
50/ 49		.2	.3	.4														16	16	17				
47/ 47	.1	2.7	1.7	.2														3	33	21	9			
45/ 45	.2	4.5	2.2	.5														77	77	45	37			
44/ 43		2.7	2.5	.5														4	34	51	34			
42/ 41	.3	2.5	1.3	.1														0	30	45	47			
40/ 39	.2	4.3	1.5															4	64	47	49			
38/ 37	1.2	3.2	2.3															61	67	35	28			
36/ 35	.1	5.5	2.2	.2														42	62	61	74			
34/ 33	1.4	5.2	3.2	.5														16	36	27	91			
32/ 31	.3	5.1	2.5															27	77	106	67			
30/ 29	.3	5.1	.3															30	62	93	78			
28/ 27	2.7	4.7	1.4															42	42	61	105			
26/ 25	.4	2.5	.5															34	34	47	65			
24/ 23	.3	1.5	.5															27	27	36	49			
22/ 21	1.1	1.5	.4															29	29	35	41			
20/ 19	.3	1.3																18	17	25	29			
18/ 17	.4	.5	.1															11	11	21	20			
16/ 15	.3	.4	.1															12	12	15	26			
14/ 13		.3																3	3	4	32			
12/ 11	.3																	3	3	4	14			
10/ 9	.5																	1	1	5	13			
8/ 7	.2	.2																4	4	4	5			
6/ 5	.4																	4	4	4	4			
4/ 3																					4			
2/ 1																					4			
TOTAL	14.7	55.7	26.5	3.2	.1													930	930	930	930			

REPRODUCED FROM THE ORIGINAL COPY OF THE

0-26-5 (OL A)

FORM 1041

USAFETAC

PSYCHROMETRIC SUMMARY

DEC
MONTH

1270-14-3
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
58/ 55				.4	.1																			
57/ 53			.7	.3	.3													12	12					
52/ 51		.7	.3	.3	.2													13	15					
50/ 49	.1	.9	.3	.4	.1													1	21	17	1			
48/ 47		2.7	1.7	.8														47	49	34	5			
47/ 45		4.5	3.1	1.5														51	51	56	25			
44/ 43	.2	2.7	3.3	.5														57	59	58	40			
42/ 41	.5	2.5	1.9	1.2	.1													57	57	55	36			
40/ 39		5.7	1.7	.3														74	74	56	35			
38/ 37	1.3	4.9	2.7	.8														5	5	46	46			
36/ 35	.1	5.5	4.7	.9														9	99	71	91			
34/ 33	1.1	5.1	3.3	.4														12	117	92	92			
32/ 31	.7	3.9	1.8	.5	.1													67	67	126	75			
30/ 29	.3	4.4	1.7	.3														3	13	62	57			
28/ 27	1.2	3.8	3.4	.2														1	41	46	132			
26/ 25	.5	.8	.5															17	17	72	58			
24/ 23	.5	1.7																17	17	25	43			
22/ 21	.3	.5	.1															9	9	15	36			
20/ 19	.5	.1																7	7	11	25			
18/ 17	.4	.2																5	5	7	34			
16/ 15		.2																2	2	3	19			
14/ 13		.2																2	2	2	14			
12/ 11																					5			
10/ 9																					-			
8/ 5																					1			
TOTAL	0.55	0.13	1.2	9.1	1.2													970		930	930			

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM 4-78

USAFETAC

YEARS

750

MONTH

1500-17.0
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OLA)

FORM 44

USAFETAC

100

Y

YEARS

1942

MONTH

1800-2000
HOURS (L.S.T.)

USAFETAC	NORM M. A.	0.26-5 (OL A)	REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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PSYCHROMETRIC SUMMARY

106140	RAMSTEIN AB GERMANY
STATION	STATION NAME

74-32

YEARS

630

MONITOR

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
47/53		.3		.3																				
47/51		.3	.1	.5	.2													17	17	5				
57/49		.5	1.7	.5														17	17	2	6			
45/47		2.7	.2	.4														11	31	30	1			
45/45	.2	3.5	2.4	.5														70	70	40	34			
44/43		2.5	2.2	.8														57	57	43	40			
42/41	.1	4.1	.5	.8														3	52	54	27			
42/39	.4	4.2	2.5															34	54	51	57			
37/37	1.1	3.7	3.7	.1														1	51	59	5			
37/35	2.2	5.8	4.1	.6														11	11	106	75			
34/33	1.9	4.1	2.3	.2														5	55	115	75			
32/31	.8	4.1	1.5															54	59	108	71			
30/29	.5	3.9	1.2															22	57	52	55			
25/27	3.7	3.5	2.3															5	85	75	109			
25/25	1.2	2.3	.3															35	35	56	73			
24/23	.8	2.0	.5															1	31	34	53			
22/21	1.5	.5	.2															2	22	31	46			
22/19	.5	1.5																8	25	17	37			
15/17	.4	.5																10	15	24	22			
15/15	.5	.3																5	5	7	29			
14/13		.3																3	3	5	1			
12/11	.3	.1																4	4	4	10			
10/9																					1			
9/7																					4			
5/5																					1			
4/3																					1			
TOTAL	16.35	1.2	27.3	4.2	.2													930		930	0.1			

PSYCHROMETRIC SUMMARY

<u>105140</u>	<u>RAMSTEIN AB GERMANY</u>
STATION	STATION NAME

74-83

DEC
MONTH

2454

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
WFAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

175140	RAMSTEIN AB GERMANY
STATION	STATION NAME

74-53

YEARS

344

MONTH

2475

HOURS (L, S, Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
95/ 97																		4		4				
95/ 95																		41		41				
94/ 93																		38		38				
94/ 91																		54		54				
93/ 89																		93		93				
93/ 87																		118		118				
92/ 85																		122		122				
92/ 83																		267		267				
92/ 81																		655		655				
91/ 79																		639		639				
90/ 77																		748		748				
90/ 75																		897		897				
90/ 73																		1020		1020				
90/ 71																		1272		1272				
90/ 69																		1614		1614				
90/ 67																		1362		1362				
90/ 65																		1336		1336				
90/ 63																		4672		4672				
90/ 61																		3370		3370				
90/ 59																		3518		3518				
90/ 57																		3471		3471				
90/ 55																		4058		4058				
90/ 53																		3736		3736				
90/ 51																		3979		3979				
90/ 49																		3217		3217				
90/ 47																		4067		4067				
90/ 45																		5713		5713				
90/ 43																		4353		4353				
90/ 41																		4665		4665				
90/ 39																		4400		4400				
90/ 37																		3973		3973				
90/ 35																		4216		4216				
90/ 33																		3335		3335				
90/ 31																		2244		2244				
Element (X)	Σ x ²			Σ x			x̄			s _x			No. Obs.			Mean No. of Hours with Temperature								
Rel. Num.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

S (OL A)

FORM

USAFETAC

PSYCHROMETRIC SUMMARY

74-33

YEARS

ALL
MONTH

100

ALL
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
30/ 29	.2	2.2	.8	.1	.0													24 5	2456	2788	406.6	
29/ 27	.5	1.9	.6	.3														26 7	2699	2595	562.6	
25/ 25	.2	.7	.1	.1														553	562	1935	2924	
24/ 23	.1	.6	.1															734	734	993	2351	
22/ 21	.3	.3	.2															517	517	745	1544	
20/ 19	.2	.3	.2															422	422	494	1257	
18/ 17	.1	.2	.2															276	276	450	946	
15/ 15	.0	.2	.2															166	166	256	730	
14/ 12	.0	.1																106	106	129	483	
12/ 11	.0	.1																3	23	36	362	
10/ 9	.1	.1																102	102	100	420	
8/ 7	.0	.0																34	34	41	163	
6/ 5	.0	.0																20	36	47	113	
4/ 3	.0	.0																10	12	15	53	
2/ 1	.0																	0	7	5	33	
0/ -1																					3	
-2/ -3																					4	
-4/ -5																					6	
TOTAL	5.235	726.4	12.2	6.9	4.7	3.4	2.3	1.5	.9	.4	.2	.1	.1	.0	.0	.0	.0	67639	87521	87521		
																		7521		87521		

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/440

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

175143 RAMSTEIN AB GERMANY

74-83

STATION		STATION NAME												YEARS											
HRS LIST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-02	MEAN	33.4	32.6	39.1	41.0	48.7	56.0	59.2	58.4	53.5	45.4	39.6	34.9	45.3											
	S D	9.250	7.143	7.210	7.019	6.526	6.128	5.782	5.393	5.324	7.091	7.687	8.996	11.775											
	TOTAL OBS	925	846	932	999	932	920	932	932	920	932	920	932	10953											
03-05	MEAN	32.6	31.9	37.5	38.2	45.6	52.8	56.0	55.3	51.3	44.2	38.5	34.2	43.3											
	S D	9.402	7.865	7.675	7.047	6.868	6.302	5.733	5.795	6.731	7.319	8.053	9.211	11.292											
	TOTAL OBS	932	846	932	920	932	920	932	932	920	932	920	932	10956											
06-08	MEAN	32.6	31.4	35.9	37.6	46.3	53.7	56.5	54.7	50.4	44.0	38.2	34.1	43.1											
	S D	9.507	8.156	6.134	6.983	6.712	6.216	5.931	6.092	6.879	7.191	8.129	9.249	11.499											
	TOTAL OBS	932	846	932	920	932	920	932	929	920	932	920	932	10954											
09-11	MEAN	33.0	32.3	39.8	45.2	54.3	61.3	64.8	63.1	56.2	46.4	39.3	34.5	47.7											
	S D	9.616	7.493	7.390	7.066	7.261	7.059	7.345	6.314	6.084	7.072	7.890	9.024	13.777											
	TOTAL OBS	932	846	932	920	932	899	932	932	920	932	920	932	10955											
12-14	MEAN	35.6	37.5	45.2	51.7	59.9	67.2	70.6	70.1	64.1	51.4	42.8	37.0	52.8											
	S D	9.534	6.748	6.939	8.474	8.876	8.739	9.142	7.419	6.852	7.560	7.158	7.758	14.952											
	TOTAL OBS	932	846	932	920	932	920	932	929	920	932	920	932	10955											
15-17	MEAN	37.4	40.2	47.9	53.9	62.1	69.1	73.1	72.4	66.5	53.8	44.4	38.1	56.0											
	S D	7.956	7.005	7.400	9.048	9.307	9.171	9.587	7.797	7.561	7.972	6.902	7.181	15.239											
	TOTAL OBS	932	846	932	920	932	920	932	932	920	932	920	929	10955											
18-20	MEAN	35.5	37.7	46.0	52.4	60.3	67.9	71.8	70.7	63.2	50.6	41.3	36.3	53.0											
	S D	9.175	6.405	7.045	8.532	8.991	8.739	9.158	7.678	7.031	7.285	6.990	7.483	15.262											
	TOTAL OBS	932	846	932	920	932	920	932	932	920	932	920	932	10955											
21-23	MEAN	34.0	34.2	41.3	45.4	53.9	61.3	64.9	62.8	56.3	46.8	40.1	35.1	48.1											
	S D	8.793	6.104	6.651	7.076	7.359	7.161	7.428	6.054	5.988	6.884	7.520	8.323	13.135											
	TOTAL OBS	932	846	932	920	932	920	932	932	920	932	920	932	10956											
ALL HOURS	MEAN	34.3	34.6	41.7	45.7	54.0	61.2	64.5	63.4	57.7	47.8	40.6	35.5	48.5											
	S D	9.075	7.754	8.274	9.780	9.922	9.665	9.931	9.330	8.842	8.055	7.848	8.533	14.134											
	TOTAL OBS	7438	6767	7442	7199	7442	7199	7442	7437	7200	7442	7200	7439	87639											

GLOBAL CLIMATOLOGY BRANCH
JRAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

NET-BULB TEMPERATURES DERIVED FROM HOURLY OBSERVATIONS

105140 RAMSTEIN AB GERMANY

74-83

STATION		STATION NAME												YEARS											
HRS. LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-12	MEAN	31.1	31.0	36.4	35.1	45.4	52.7	55.3	54.9	50.7	43.5	37.6	33.1	42.5											
	S.D.	5.573	5.331	5.947	6.490	5.891	5.788	5.230	4.814	5.554	6.610	7.451	8.425	10.978											
	TOTAL OBS	925	846	930	898	930	900	930	930	900	918	900	930	10937											
03-05	MEAN	31.0	30.2	35.2	35.0	43.1	50.3	53.0	52.5	48.9	42.4	36.5	32.4	41.0											
	S.D.	5.822	7.510	7.324	6.700	5.432	6.062	5.431	5.409	6.137	6.811	7.664	8.743	10.751											
	TOTAL OBS	927	846	930	900	930	900	930	930	900	918	900	930	10941											
06-08	MEAN	30.9	29.8	34.5	35.5	43.5	50.9	53.4	51.0	48.1	42.2	36.4	32.3	40.9											
	S.D.	7.011	7.810	7.719	6.563	5.290	5.932	5.457	5.630	6.305	6.784	7.751	8.785	10.910											
	TOTAL OBS	926	846	930	900	930	900	930	928	900	918	900	930	10938											
09-11	MEAN	31.3	30.9	36.9	40.9	48.7	55.7	58.2	57.5	52.5	44.1	37.3	32.6	44.0											
	S.D.	5.994	7.225	6.993	5.981	5.650	5.559	5.409	4.535	5.238	6.529	7.538	8.586	11.940											
	TOTAL OBS	924	846	930	900	930	899	929	927	900	900	900	930	10935											
12-14	MEAN	33.5	34.5	40.3	44.1	51.1	57.6	60.2	60.2	56.7	47.5	39.8	34.7	46.8											
	S.D.	7.911	6.224	5.298	6.248	5.933	5.810	5.699	4.543	5.345	6.231	6.736	7.336	11.677											
	TOTAL OBS	927	846	930	900	930	900	930	929	900	921	900	930	10942											
15-17	MEAN	34.7	36.1	41.8	45.0	51.9	58.2	61.0	60.8	57.4	48.9	40.8	35.4	47.7											
	S.D.	7.402	6.154	5.358	6.190	5.347	5.720	5.556	4.518	5.454	6.113	6.578	6.795	11.411											
	TOTAL OBS	926	846	930	900	930	900	930	930	900	921	900	929	10942											
18-20	MEAN	33.3	34.5	40.7	44.2	51.2	57.8	60.5	60.2	56.1	47.1	39.2	34.1	46.6											
	S.D.	7.635	5.895	5.373	5.995	5.728	5.626	5.413	4.570	5.229	6.749	6.803	7.075	11.692											
	TOTAL OBS	927	846	930	900	930	900	930	930	899	921	900	930	10942											
21-23	MEAN	32.1	32.0	37.9	40.8	48.4	55.4	58.2	57.3	52.6	44.5	37.9	33.2	44.2											
	S.D.	6.142	5.935	5.543	6.107	5.780	5.547	5.395	4.555	5.242	5.351	7.181	7.826	11.418											
	TOTAL OBS	927	846	930	900	930	900	930	930	900	921	900	930	10944											
ALL HOURS	MEAN	32.3	32.4	36.0	40.6	47.9	54.8	57.5	55.9	52.9	45.0	38.2	33.5	44.2											
	S.D.	6.423	7.076	7.276	7.214	5.789	5.471	6.212	5.354	6.506	6.379	7.372	8.049	11.620											
	TOTAL OBS	7409	6756	7440	7198	7440	7199	7439	7434	7199	7358	7200	7439	87521											

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

100140 RAMSTEIN AB GERMANY

74-83

STATION

STATION NAME

YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-07	MEAN	23.4	27.5	32.2	34.0	41.3	49.3	52.2	52.0	48.2	41.4	34.7	29.9	39.4
	S D	5.972	7.923	8.355	7.453	5.624	6.553	5.913	5.258	5.925	6.893	8.153	9.312	11.642
	TOTAL OBS	925	845	930	903	930	930	930	930	900	918	900	930	10937
00-05	MEAN	27.5	26.8	31.3	32.6	40.0	47.9	50.5	50.2	46.6	40.3	33.8	29.3	38.2
	S D	9.355	8.518	8.527	7.494	7.063	5.699	5.032	5.353	6.429	7.047	8.418	9.504	11.500
	TOTAL OBS	927	845	930	900	930	900	930	930	900	918	900	930	10941
05-08	MEAN	27.7	26.4	30.9	32.4	40.5	48.4	50.8	49.7	45.9	40.2	33.7	29.2	38.0
	S D	9.605	8.813	8.774	7.420	6.903	6.556	6.028	6.014	6.574	7.051	8.521	9.615	11.619
	TOTAL OBS	926	845	930	900	930	900	930	928	900	918	900	930	10938
05-11	MEAN	23.0	27.3	32.7	35.6	43.2	50.3	53.4	53.2	49.3	41.8	34.5	29.4	40.0
	S D	9.552	8.364	8.204	6.962	5.437	6.337	5.941	4.931	5.634	6.720	8.283	9.503	12.052
	TOTAL OBS	924	845	930	900	930	899	929	927	900	920	900	930	10935
12-14	MEAN	29.8	29.6	33.9	35.2	42.3	50.3	52.9	53.2	50.5	43.8	36.0	30.9	40.8
	S D	8.546	7.568	8.395	7.871	7.072	6.790	6.250	5.441	6.395	6.414	7.688	8.345	11.499
	TOTAL OBS	927	845	930	900	930	900	930	929	900	921	900	930	10942
15-17	MEAN	30.4	29.9	33.8	34.7	42.3	50.0	52.5	52.6	50.3	44.2	36.3	31.3	40.7
	S D	8.392	7.725	8.934	8.153	7.231	6.771	5.173	5.428	6.694	6.413	8.044	8.055	11.338
	TOTAL OBS	926	845	930	900	930	900	930	930	900	921	900	929	10942
18-20	MEAN	29.6	29.3	33.5	34.4	42.1	50.0	52.5	52.7	50.5	43.6	36.5	30.6	40.4
	S D	8.270	7.481	9.008	8.172	7.159	6.762	6.142	5.491	6.176	6.562	7.969	8.101	11.527
	TOTAL OBS	927	845	930	900	930	900	930	930	899	921	900	930	10942
21-23	MEAN	23.7	28.1	32.9	34.8	42.3	50.5	53.2	53.1	49.5	42.0	34.3	30.0	40.1
	S D	8.610	7.331	8.606	7.639	6.855	6.573	6.127	5.224	5.672	6.635	8.087	8.677	11.760
	TOTAL OBS	927	845	930	900	930	900	930	930	900	921	900	930	10944
ALL HOURS	MEAN	29.8	28.1	32.6	34.2	41.9	49.7	52.3	52.1	48.9	42.2	34.9	30.1	39.7
	S D	8.985	8.075	8.652	7.727	7.010	6.687	6.156	5.613	6.410	6.873	8.194	8.938	11.663
	TOTAL OBS	7439	5756	7400	7198	7400	7199	7439	7434	7199	7358	7200	7439	87521

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

RELATIVE HUMIDITY

175147 STATION RAMSTEIN AB GERMANY 74-23 PERIOD 11 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70	80	90		
JAN	1-31	100.0	100.0	100.0	100.0	99.4	97.4	84.0	56.1	22.5	82.0	726
	02-28	100.0	100.0	100.0	100.0	99.7	96.9	85.3	56.1	22.1	82.0	927
	03-30	100.0	100.0	100.0	100.0	99.9	98.6	85.3	56.1	21.0	82.0	728
	04-11	100.0	100.0	100.0	100.0	99.6	98.6	85.0	56.1	22.1	81.9	924
	12-14	100.0	100.0	100.0	99.7	99.5	96.7	73.6	47.4	16.1	79.0	927
	15-17	100.0	100.0	100.0	99.7	99.2	90.8	67.5	39.4	12.2	75.6	925
	18-20	100.0	100.0	100.0	99.9	99.6	91.0	73.9	46.8	13.6	79.5	927
	21-23	100.0	100.0	100.0	100.0	100.0	98.2	84.3	55.3	19.4	81.4	727
TOTALS		100.0	100.0	100.0	99.9	99.6	97.1	81.2	53.3	19.0	80.7	7459

RELATIVE HUMIDITY

10 MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70	80	90		
FEB	00-02	100.0	100.0	100.0	99.8	99.5	95.7	81.7	59.2	22.	81.2	646
	03-05	100.0	100.0	100.0	100.0	99.5	97.3	83.1	62.3	22.3	81.0	645
	06-08	100.0	100.0	100.0	100.0	99.9	95.5	83.1	61.2	20.7	81.9	646
	09-11	100.0	100.0	100.0	100.0	99.4	96.9	79.4	55.4	19.8	80.7	646
	12-14	100.0	100.0	99.3	96.9	94.3	83.4	59.4	35.4	12.9	74.3	645
	15-17	100.0	100.0	99.3	96.5	85.5	68.5	44.7	25.5	7.	68.5	646
	18-20	100.0	100.0	99.9	97.9	93.3	81.4	55.5	31.4	10.3	72.7	645
	21-23	100.0	100.0	100.0	99.6	99.2	95.3	73.4	49.2	17.4	74.9	646
TOTALS		100.0	100.0	99.9	99.1	95.3	89.6	59.9	47.7	16.6	77.5	6765

0-87-5 (OL A)

RELATIVE HUMIDITY

MONIM

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70	80	90		
MAR	00-02	100.0	100.0	100.0	99.1	97.4	94.0	71.0	42.5	12.4	76.5	93
	02-05	100.0	100.0	100.0	99.6	98.2	91.7	75.9	45.	14.	75.4	93
	05-08	100.0	100.0	100.0	100.0	98.9	92.9	77.1	50.0	15.2	79.	93
	08-11	100.0	100.0	100.0	99.7	97.2	88.5	65.0	43.2	11.1	75.0	93
	12-14	100.0	100.	99.	94.9	83.7	65.2	38.1	15.9	3.5	65.0	930
	15-17	100.0	99.7	96.5	88.5	72.2	46.9	27.	10.5	2.3	6.	93
	18-20	100.0	99.8	97.2	91.2	78.6	57.1	35.2	14.5	3.3	63.2	93
	21-23	100.0	100.0	99.9	98.1	93.0	81.9	58.8	30.5	7.3	72.	930
TOTALS		100.0	99.9	99.1	96.4	83.7	76.8	56.5	32.0	5.8	71.6	744

USAFETAC FORM JUL 64 0-87-5 (OL A)

RELATIVE HUMIDITY

MONITOR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
APR	00-02	100.0	100.0	100.0	99.7	97.4	87.3	71.2	42.4	15.5	75.2	894
	03-05	100.0	100.0	100.0	99.9	99.4	95.3	83.3	59.2	14.3	70.6	900
	06-08	100.0	100.0	100.0	99.7	99.7	97.7	86.3	64.5	15.4	71.9	900
	09-11	100.0	100.0	99.9	97.2	89.6	73.9	54.0	35.2	5.7	70.1	900
	12-14	100.0	100.0	95.3	75.6	56.7	37.9	23.7	10.4	2.4	56.0	900
	15-17	100.0	99.4	87.3	54.2	44.2	31.9	20.7	8.6	2.1	51.6	900
	18-20	100.0	99.6	89.6	59.0	50.0	35.3	23.7	10.4	.7	53.0	900
	21-23	100.0	100.0	99.8	95.3	84.6	66.2	46.1	23.7	6.0	68.1	900
TOTALS		100.0	99.9	96.6	88.0	78.0	66.3	51.0	32.9	7.2	67.4	7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/440

RELATIVE HUMIDITY

100142 STATION RAMSTEIN AB GERMANY 74-83 PERIOD 12Y MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01-31	100.0	100.0	100.0	99.1	97.1	92.4	78.5	43.1	9.7	77.1	93
	02-29	100.0	100.0	100.0	99.5	98.2	95.1	80.4	56.3	17.2	70.6	930
	03-31	100.0	100.0	100.0	99.7	98.4	95.7	85.5	53.9	14.7	62.1	930
	04-30	100.0	100.0	99.7	97.1	94.3	88.4	77.8	52.7	24.4	67.3	930
	05-31	100.0	100.0	95.9	79.5	57.6	36.3	22.7	10.2	1.5	55.7	930
	06-30	100.0	99.9	88.9	66.7	46.5	29.4	17.2	8.5	1.4	51.1	930
	07-31	100.0	99.9	91.1	71.1	51.5	33.2	21.1	9.0	1.3	53.2	930
	08-31	100.0	100.0	99.0	94.5	85.4	70.9	50.5	22.5	3.3	63.1	930
	09-30											
	10-31											
	11-30											
	12-31											
TOTALS		100.0	100.0	96.8	88.1	77.3	65.3	51.2	27.9	5.1	65.5	7440

RELATIVE HUMIDITY

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-22	100.0	100.0	100.0	99.9	99.7	95.2	85.7	52.0	13.0	31.2	900
	03-05	100.0	100.0	100.0	100.0	100.0	98.4	92.7	65.0	22.2	13.0	900
	06-08	100.0	100.0	100.0	100.0	99.3	97.2	90.4	53.3	16.1	12.2	900
	09-11	100.0	100.0	99.6	97.1	97.8	75.2	49.3	15.5	2.0	55.4	899
	12-14	100.0	99.0	96.7	85.9	66.1	38.1	19.6	6.3	1.4	56.0	900
	15-17	100.0	99.6	94.3	79.2	51.6	26.6	13.4	5.0	1.2	52.0	900
	18-20	100.0	99.4	95.3	82.3	55.9	32.4	13.7	7.3	1.0	55.0	900
	21-23	100.0	100.0	99.2	96.9	90.0	72.1	49.7	22.2	4.4	59.1	900
TOTALS		100.0	99.9	98.1	92.7	81.6	66.9	52.4	29.1	3.1	66.6	7199

RELATIVE HUMIDITY

74-23

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	99.9	99.6	99.0	92.5	75.7	42.4	17.0	75.2	93
	03-05	100.0	100.0	100.0	100.0	100.0	95.9	89.4	57.0	27.4	82.2	93
	06-08	100.0	100.0	100.0	100.0	99.5	94.6	89.7	54.6	21.1	51.5	93
	09-11	100.0	100.0	99.6	97.4	91.7	71.2	44.2	15.4	7.3	67.7	929
	12-14	100.0	99.9	96.3	85.4	59.7	31.7	16.7	7.3	2.4	55.6	93
	15-17	100.0	99.1	93.2	74.4	43.3	22.5	13.1	5.1	1.7	52.1	93
	18-20	100.0	99.6	95.5	80.2	48.7	25.5	16.9	6.6	2.0	53.1	93
	21-23	100.0	100.0	99.4	96.6	88.3	65.3	46.5	17.5	4.4	67.4	93
TOTALS		100.0	99.6	98.0	91.7	78.3	50.5	49.3	25.9	9.2	67.1	7439

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

14-53

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AJ.	02-22	100.0	100.0	100.0	100.0	99.7	94.2	87.1	44.3	13.3	79.7	97
	03-05	100.0	100.0	100.0	100.0	99.9	97.5	93.1	54.2	21.1	83.2	930
	06-06	100.0	100.0	100.0	100.0	99.8	97.5	93.4	60.5	21.4	83.4	928
	09-11	100.0	100.0	100.0	99.5	94.5	75.9	55.4	27.5	4.0	71.1	977
	12-14	100.0	100.0	99.2	86.2	60.4	35.6	16.9	5.9	1.0	56.7	929
	15-17	100.0	100.0	96.6	76.3	45.3	23.1	12.0	4.1	.5	51.5	935
	18-20	100.0	100.0	97.0	82.3	55.1	33.7	16.5	5.4	1.2	54.0	935
	21-23	100.0	100.0	100.0	99.4	94.3	80.3	58.7	22.9	5.3	71.6	935
TOTALS		100.0	100.0	99.1	93.2	81.2	67.7	54.5	23.0	.9	69.0	7430

USAFETAC FORM 0-87-5 (OL A)
JUL 64

RELATIVE HUMIDITY

74-23

PERIOD

MONI

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
SEP	05-07	100.0	100.0	100.0	100.0	72.5	27.4	68.3	52.3	26.7	82.6	900
	08-10	100.0	100.0	100.0	100.0	100.0	39.1	90.4	61.5	34.7	34.5	900
	11-13	100.0	100.0	100.0	100.0	100.0	99.5	92.4	61.5	37.	35.	900
	14-16	100.0	100.0	100.0	99.9	99.3	94.2	76.8	4..7	15.3	78.3	900
	17-19	100.0	100.0	99.8	95.2	83.1	53.7	29.8	10.6	1.4	63.2	900
	20-22	100.0	100.0	98.1	89.4	65.7	35.3	20.0	8.7	1.4	57.	900
	23-25	100.0	100.0	99.7	95.9	83.1	61.1	37.2	13.1	2.4	54.0	899
	26-28	100.0	100.0	100.0	100.0	98.9	73.1	61.0	42.0	15.1	78.4	900
TOTALS		100.0	100.0	99.7	97.7	91.2	79.6	64.6	37.3	17.3	74.3	7199

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70	80%	90		
221	02-22	100.0	100.0	100.0	100.0	100.0	97.0	94.9	74.6	34.4	85.7	915
	03-05	100.0	100.0	100.0	100.0	100.0	99.1	95.6	74.9	30.2	86.2	918
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	97.7	77.1	31.3	86.5	918
	09-11	100.0	100.0	100.0	100.0	99.8	99.2	94.7	67.4	20.3	84.0	920
	12-14	100.0	100.0	100.0	99.8	97.9	98.6	67.2	37.8	11.3	75.9	921
	15-17	100.0	100.0	99.9	99.3	92.7	77.2	54.7	27.0	5.9	70.9	921
	18-20	100.0	100.0	100.0	99.0	98.5	91.6	75.0	46.1	11.0	77.7	921
	21-23	100.0	100.0	100.0	100.0	100.0	98.6	91.8	66.3	24.4	83.6	921
TOTALS		100.0	100.0	100.0	99.9	99.5	94.2	84.3	55.9	23.1	81.3	7358

RELATIVE HUMIDITY

MONITOR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	02-02	100.0	100.0	100.0	100.0	99.7	98.1	89.1	63.7	22.0	82.7	900
	03-03	100.0	100.0	100.0	99.9	99.7	93.1	39.3	67.4	24.7	83.6	900
	04-03	100.0	100.0	100.0	99.9	99.8	95.4	90.3	67.3	25.9	84.1	900
	09-01	100.0	100.0	100.0	100.0	100.0	98.7	90.7	62.2	21.1	83.0	900
	12-14	100.0	100.0	100.0	99.8	99.0	74.7	74.9	40.7	10.7	77.5	900
	15-17	100.0	100.0	100.0	98.7	96.3	84.9	62.1	32.3	8.1	73.6	900
	18-20	100.0	100.0	100.0	100.0	99.3	93.9	77.9	47.8	15.4	79.0	900
	21-23	100.0	100.0	100.0	100.0	99.7	96.2	86.3	53.4	20.9	81.7	900
TOTALS		100.0	100.0	100.0	99.9	99.2	95.4	82.5	54.8	18.6	80.7	7200

RELATIVE HUMIDITY

7-1-2

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.9	97.1	81.4	51.2	30.3	32.4	933
	03-05	100.0	100.0	100.0	100.0	100.0	98.5	82.2	59.8	31.9	32.0	930
	06-08	100.0	100.0	100.0	100.0	100.0	98.8	84.3	59.1	30.1	32.6	931
	09-11	100.0	100.0	100.0	100.0	100.0	98.1	81.9	55.4	27.0	31.9	930
	12-14	100.0	100.0	100.0	99.5	99.0	93.4	74.1	51.2	19.9	79.2	930
	15-17	100.0	100.0	100.0	99.1	97.7	89.6	69.2	46.0	17.0	77.2	929
	18-20	100.0	100.0	100.0	99.9	99.1	95.1	75.7	52.5	24.4	80.3	930
	21-23	100.0	100.0	100.0	100.0	99.8	96.0	79.7	58.6	31.3	82.0	930
TOTALS		100.0	100.0	100.0	99.9	99.4	95.8	78.5	55.7	26.5	81.1	7439

USAFETAC FORM 0-87-5 (OL A)
III AM

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

100140
STATION

RAMSTEIN AB GERMANY
STATION NAME

74-83

PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.9	99.6	97.1	81.2	53.3	27.0	50.7	7429
FEB		100.0	100.0	99.9	99.1	95.3	89.5	69.9	47.7	16.6	77.5	6156
MAR		100.0	99.9	99.1	96.4	89.7	75.8	56.5	32.3	8.2	71.5	7442
APR		100.0	99.9	96.6	88.0	73.0	55.3	31.0	10.7	2.2	57.0	7198
MAY		100.0	100.0	96.0	88.5	77.8	55.3	31.2	17.9	6.1	55.0	7440
JUN		100.0	99.9	98.1	92.7	81.5	56.9	32.4	19.1	6.1	55.5	7159
JUL		100.0	99.9	98.0	91.7	73.1	52.5	29.3	15.7	9.0	57.1	7439
AUG		100.0	100.0	99.1	93.2	81.2	67.7	54.5	28.0	1.9	59.0	7434
SEP		100.0	100.0	99.7	97.7	91.2	75.6	64.6	37.0	17.3	74.3	7199
OCT		100.0	100.0	100.0	99.9	98.5	94.2	84.3	58.9	23.1	51.3	7358
NOV		100.0	100.0	100.0	99.8	99.2	95.4	82.5	54.9	18.6	50.7	7200
DEC		100.0	100.0	100.0	99.9	99.4	95.8	78.5	55.7	25.5	51.1	7439
TOTALS		100.0	100.0	98.9	95.5	89.3	79.8	64.7	40.1	14.1	73.5	87521

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

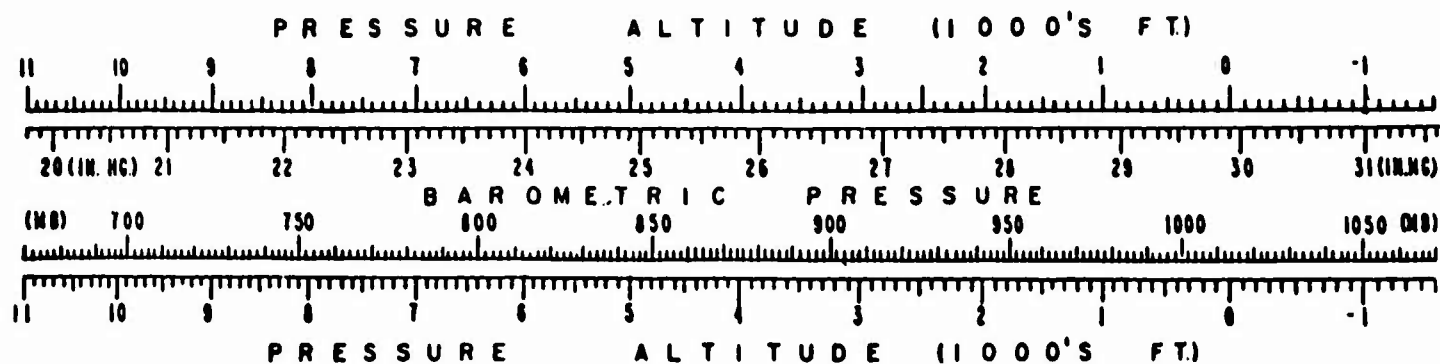
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

135140 RAMSTEIN AB GERMANY

74-83

STATION

STATION NAME

YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN A
01	MEAN	29.21429	29.17429	29.13329	29.12929	29.13429	29.18929	29.20129	29.20529	29.23029	29.15629	29.22729	29.143	29.176
	S D	.325	.330	.269	.201	.134	.150	.133	.135	.166	.266	.285	.388	.254
	TOTAL OBS	309	282	310	299	310	300	310	310	300	310	300	310	3650
04	MEAN	29.21129	29.16729	29.09629	29.12329	29.12629	29.18329	29.19529	29.19929	29.22429	29.15629	29.22229	29.135	29.170
	S D	.315	.331	.271	.203	.189	.153	.135	.137	.191	.271	.283	.394	.255
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
07	MEAN	29.20429	29.15929	29.09329	29.12229	29.13029	29.18829	29.19629	29.20029	29.22229	29.15229	29.21729	29.126	29.167
	S D	.315	.334	.272	.205	.192	.155	.137	.138	.193	.275	.282	.394	.256
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	29.21329	29.17529	29.11029	29.13729	29.14029	29.19829	29.20529	29.21229	29.24229	29.16929	29.23529	29.141	29.182
	S D	.315	.338	.272	.206	.194	.155	.138	.137	.194	.278	.281	.395	.257
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	29.22429	29.19229	29.11029	29.12929	29.13329	29.19329	29.20029	29.20929	29.23729	29.16929	29.23629	29.144	29.180
	S D	.315	.337	.269	.205	.189	.154	.135	.133	.192	.276	.280	.394	.256
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
15	MEAN	29.19829	29.15829	29.09429	29.10629	29.11629	29.17429	29.18329	29.19129	29.21529	29.14929	29.21129	29.122	29.159
	S D	.316	.330	.262	.201	.185	.151	.134	.130	.197	.270	.278	.388	.252
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	29.20529	29.16229	29.09829	29.09829	29.10629	29.16029	29.16029	29.18029	29.20629	29.15129	29.21529	29.132	29.155
	S D	.319	.325	.259	.197	.179	.150	.133	.130	.194	.265	.278	.386	.250
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
22	MEAN	29.21529	29.17729	29.09729	29.12329	29.12729	29.17829	29.18329	29.19829	29.22829	29.16929	29.22329	29.142	29.171
	S D	.321	.325	.263	.198	.176	.149	.132	.130	.197	.267	.289	.386	.252
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
ALL HOURS	MEAN	29.21129	29.16929	29.09629	29.12129	29.12729	29.18329	29.19129	29.19929	29.22529	29.16029	29.22329	29.136	29.170
	S D	.317	.331	.267	.202	.185	.152	.135	.134	.190	.271	.282	.39	.254
	TOTAL OBS	2479	2256	2480	2399	2480	2400	2480	2480	2400	2480	2400	2480	29214